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ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 1981

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Prepared by the Bureau of
Registration and Health Statistics

TABLE OF CONTENTS

Highlights 1

Introduction 3

Definitions 7
Terms, Formulas of Rates and Ratios, Symbols and Abbreviations

Summary of Vital Events 13

Population 19

Live Births 25

Birth-Related Mortality 35
Induced Abortions, Fetal Deaths (Stillbirths), Perinatal Period
III Mortality, Infant Deaths, Maternal Deaths

General Mortality 47

Marriages 71

Divorces and Annulments 77

Special Birth and Death Summaries 83

Appendix 107
Vital Events by Health Service Areas, Counties and Cities
of Kansas

Index of Tables and Figures 145

LIST OF TABLES

Table Number	Title	Page Number
1.	Vital Events and Percent Change, Kansas, 1981, 1980 and 1971	14
2.	Vital Events by Number, Rate and Ratio, Kansas, 1971-1981	16
3.	Population, Natural Increase and Net Migration, Kansas, 1952-1981	22
4.	Live Births by Age Group of Mother by Selected Characteristics, Kansas, 1981	32
5.	Perinatal Period III Mortality, Kansas, Selected Years, 1951-1981	42
6.	Infant Deaths by Cause of Death and Age Group of Infant, Kansas, 1981	45
7.	Deaths by Race and Sex, by Age Group and Average Age at Death, Kansas, 1981	53
8.	Selected Causes of Death by Age Group and Average Age at Death, Kansas, 1981	54
9.	Ten Leading Causes of Death by Sex, by Number, Rate and Average Age at Death, Kansas, 1981	55
10.	Selected Leading Causes of Death by Number and Rate, Kansas and the United States, 1981	56
11.	Heart Disease Deaths by Age Group and Sex, Kansas, 1981	60
12.	Malignant Neoplasm Deaths by Site of Lesion, Age Group and Sex, Kansas, 1981	62
13.	Cerebrovascular Disease Deaths by Age Group and Sex, Kansas, 1981	63
14.	Selected Chronic Disease Deaths by Age Group and Sex, Kansas, 1981	64
15.	Accidental Deaths by Age Group and Sex, Kansas, 1981	65
16.	Ten Leading Causes of Death, Underlying Cause by Non-underlying Cause, Kansas, 1981	70
17.	Marriages by Age Group of Groom, by Age Group of Bride, Kansas, 1981	75
18.	Marriages by Premarital Status of Bride and Groom, Kansas, 1981	76
19.	Divorces and Annulments by Duration of Marriage in Years, Kansas, 1981	81
20.	Divorces and Annulments by Number and Percent by Number of Minor Children, Kansas, 1981	82
21.	Population by Age Group and Sex, by County of Residence, Kansas, 1980	89
22.	Fertility Rates by County of Residence, Kansas, 1979-1981	101

List of Tables (cont.)

Table Number		Page Number
23.	Age-Specific Death Rates for Selected Causes of Death by Sex, Kansas, 1979-1981	102
24.	Death Rates for Selected Causes of Death, Kansas and the United States, 1979-1981	103
25.	Crude and Age-Adjusted Death Rates, by County of Residence, Kansas, 1979-1981	106
26.	Vital Statistics by Health Service Area, Kansas, 1981	110
27.	Selected Causes of Death by Health Service Area, Kansas, 1981	111
28.	Population by County, Kansas, 1977-1981	112
29.	Live Births by Number and Rate by County of Residence, Kansas, 1977-1981	114
30.	Live Births by Age Group of Mother by County of Residence of Mother, Kansas, 1981	116
31.	Out-of-Wedlock Births by Age Group of Mother by County of Residence of Mother, Kansas, 1981	118
32.	Induced Abortions by Age Group of Patient by County of Residence, Kansas, 1981	120
33.	Perinatal Period III Deaths by County of Residence, Kansas, 1981	122
34.	Infant Deaths by Component by County of Residence, Kansas, 1981	125
35.	Deaths by Number and Rate by County of Residence, Kansas, 1977-1981	127
36.	Deaths by Age Group and Average Age at Death by County of Residence, Kansas, 1981	129
37.	Twenty Leading Causes of Death by County of Residence, Kansas, 1981	132
38.	Death Rates for Ten Leading Causes of Death by County of Residence, Kansas, 1981	136
39.	Marriages by Number and Rate by County of Marriage, Kansas, 1977-1981	139
40.	Divorces and Annulments by Number and Rate by County of Action, Kansas, 1977-1981	141
41.	Population, Live Births and Total Deaths by City of Residence, Kansas, 1980 and 1981	143

LIST OF FIGURES

Figure Number		Page Number
1.	Kansas Vital Statistics for 1981	4
2.	Selected Vital Event Rates, Kansas, 1971-1981	17
3.	Population Growth in Kansas, Selected Years, 1860-1981	20
4.	Population Density by County, Kansas, 1981	24
5.	Birth Rates, Kansas and the United States, 1961-1981	26
6.	Fertility Rates, Kansas and the United States, 1961-1981	28
7.	Live Births: Percent Distribution by Age Group of Mother, Kansas, 1971, 1976 and 1981	30
8.	Out-of-Wedlock Birth Ratios, Kansas and the United States, 1961-1981	33
9.	Reported Induced Abortions by Selected Characteristics, Kansas, 1981	36
10.	Fetal Deaths by Selected Characteristics, Kansas, 1981	40
11.	Perinatal Period III Mortality, Kansas, 1951-1981	41
12.	Infant Deaths by Component, Kansas, Selected Years, 1951-1981	44
13.	Maternal Mortality Rates, Kansas and the United States, 1951-1981	46
14.	Death Rates, Kansas and the United States, 1941-1981	49
15.	Death Rates by County of Residence, Kansas, 1981	50
16.	Average Age at Death by County of Residence, Kansas, 1981	52
17.	Death Rates for Leading Causes of Death, Kansas, 1941-1981	58
18.	Leading Causes of Death by Age Group, Kansas, 1981	59
19.	Suicides and Homicides: Percent Distribution by Age Group and Sex, Kansas, 1981	68
20.	Marriage and Divorce Rates, Kansas, 1927-1981	72
21.	Marriages: Percent Distribution by Age Group, Kansas, 1981	74
22.	Divorces: Percent Distribution by Age Group, Kansas, 1981	78
23.	Annulments: Percent Distribution by Age Group, Kansas, 1981	80
24.	Population: Percent Distribution by Age Group and Sex, Kansas, 1980	87
25.	Crude and Age-Adjusted Death Rates for Selected Causes of Death by Sex, Kansas, 1979-1981	104
26.	Health Service Areas, Kansas	109

HIGHLIGHTS

Live Births

The Kansas live birth rate in 1981 remained unchanged from the previous year at 17.2 births per thousand population. (p. 27)

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. (Figure 5, p. 26 and Figure 6, p. 28)

Of the 41,202 births in 1981, only 195 (0.5 percent) occurred outside of the hospital setting. (p. 29)

In 1981 out-of-wedlock births to Kansas residents reached 5,086; the highest number recorded in a single year. These out-of-wedlock births represented 12.3 percent, a record high, of all live births in 1981. (Table 4, p. 32 and Figure 8, p. 33)

Birth-Related Mortality

Neonatal deaths totaled 322 in 1981, an increase of 19.7 percent from the 269 recorded in 1980. (Table 1, p. 14)

In 1981 the number of abortions reported in Kansas decreased 9.3 percent, from 13,381 in 1980 to 12,137 in 1981. (p. 37)

There has been a general downward trend in the number of Perinatal Deaths since 1955. The number of deaths decreased from 1,604 in 1955 to 580 in 1981. (Figure 11, p. 41 and Table 5, p. 42)

In 1981 the Kansas infant death rate was 11.0 per thousand live births. The Kansas rate was 6.0 percent lower than the estimated United States rate of 11.7. (p. 43)

Congenital anomalies was the most common cause of infant death in Kansas in 1981 and accounted for 23.0 percent of all infant deaths. (Table 6, p. 45)

General Mortality

The Kansas death rate decreased by 3.2 percent in 1981, from 9.3 per thousand population in 1980 to 9.0 in 1981. (Figure 14, p. 49)

The average age at death of Kansas residents in 1981 was 70.6 years. The average age of males in 1981 was 67.2 at the time of death; that of females was 74.3. (Table 7, p. 53)

Highlights (cont.)

Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1981 and accounted for 72.0 percent of all deaths. (Figure 18, p. 59)

Heart disease, the number one cause of death in Kansas claimed 8,140 lives in 1981 and constituted 37.7 percent of the total number of deaths. (Figure 18, p. 59)

The cancer death rate in Kansas was 178.9 in 1981, 2.9 percent lower than the estimated national rate of 184.3. (p. 57)

The Kansas suicide rate was 11.3 in 1981, 1.7 percent lower than the estimated 1981 national rate of 11.5. (p. 67)

The Kansas homicide and legal intervention rate was 7.0 per hundred thousand population in 1981; 31.4 percent lower than the estimated national rate of 10.2. (p. 67)

In 1981, only 413 deaths were attributed to atherosclerosis; yet 1,517 of the ten leading underlying causes listed atherosclerosis as a contributing factor. (Table 16, p. 70)

Marriages

The 26,137 marriages performed in Kansas in 1981 represented a 5.2 percent increase over the 24,847 performed in 1980. The marriage rate was 10.9, a 3.8 percent increase over the 1980 rate of 10.5 per 1,000 population. (p. 73, and Figure 20, p. 72)

More wedding ceremonies were performed in August than any other month in 1981, with June and May being the second and third most popular months. (p. 76)

Divorces and Annulments

The number of divorces and annulments granted in Kansas increased 2.4 percent from the 13,410 in 1980 to 13,737 in 1981. The divorce rate in 1981 remained at 5.6 per thousand population. (p. 79, and Figure 20, p. 72)

Marriages ending in divorce lasted an average of 8.0 years, while those receiving annulments lasted an average of 1.6 years. (p. 81)

Special Birth and Death Summaries

The 1980 United States Census figures show that males outnumber females from the earliest age up through the age group of 25-34 years by a margin ranging from 3.0 percent in the 25-34 age group to 6.4 percent in the under 1 age group. Females then gain the edge with a margin of 1.9 percent in the 35-44 year age group and more than double the number of males in the 85 and over age group. (Table 21, p. 89)

INTRODUCTION

KANSAS VITAL STATISTICS FOR 1981

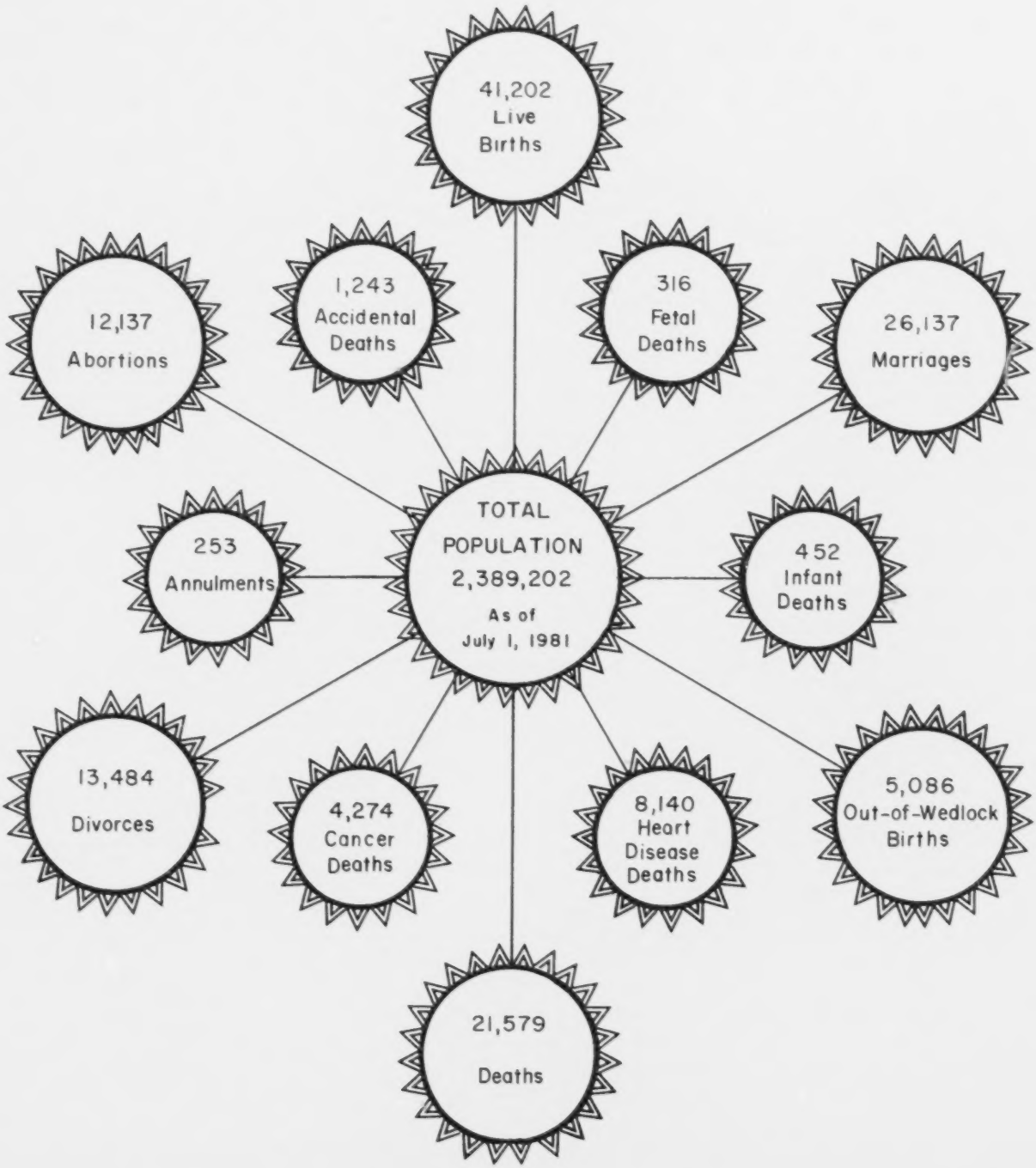


Figure 1

Marriages, divorces, annulments and abortions are displayed above as occurrence data and all other vital statistics represent residence data.

INTRODUCTION

The Bureau of Registration and Health Statistics presents the 1981 edition of the Kansas Annual Summary of Vital Statistics. This report is a summary of data compiled from vital and health records for the 1981 calendar year and these data are displayed in Figure 1. The contents include information on population, abortion, and such vital events as live births, fetal deaths, deaths, marriages, divorces and annulments.

Registration

The statewide registration of marriage, birth and death records was initially established as a statutory duty of the Kansas State Board of Health (now the Kansas Department of Health and Environment) in 1885. At that time the law, K.S.A. 65-102, specifically provided that, "the state board of health shall supervise the registration of marriages, births and deaths, and also the registration of forms of disease prevalent in the state; and the secretary of said board shall superintend the registration of the vital statistics of the state." With the establishment of the Division of Vital Statistics (now the Bureau of Registration and Health Statistics) in 1911, systematic filing of the birth and death records at the State level was begun. Registration requirements for marriages and divorces were initiated in 1913 and 1951, respectively. Since registration of vital events began seventy-one years ago, over six million records have been processed, filed and indexed.

Technical Notes

The information presented in this report includes statistics compiled from records received during 1981 and any delayed 1981 events registered during the first four months of 1982. Certificates which were submitted after that time are considered to be negligible for purposes of annual statistical compilations. Therefore, no adjustments have been made for under-registration.

The data contained in this annual summary are primarily residence data and refer to events happening to Kansas residents (classified by county of usual residence) regardless of where the event occurred. Mother's usual residence is utilized with reference to births and fetal deaths (stillbirths). In many instances abortion information refers to all occurrences within the State; however residence data are occasionally referenced. Marriages, divorces and annulments are occurrence data, for residents and nonresidents, in that marriages are recorded by county of marriage and divorces and annulments by county of decree. In many cases annulments have been grouped with divorces for purposes of presentation in this report.

The 1981 and 1979 State, county and city population estimates utilized throughout the report were prepared by the Bureau of Registration and Health Statistics, Kansas Department of Health and Environment (KDHE) and were computed by using U.S. Bureau of the Census figures as a base and extrapolating by the method of least squares regression. The 1980 population figures were preliminary data obtained from the U.S. Bureau of the Census. However, the 1980 population data used in our special section on Birth and Death Summaries are revised figures from the Census Bureau and represent the latest summary data available to us. Population figures prior to 1979 were obtained from the U.S. Bureau of the Census during census years and from compilations prepared by the State Board of Agriculture from reports by county appraisers during noncensus years.

The KDHE estimates were used in 1979 because (1) the Agricultural Census had been terminated by the Legislature and additionally (2) students, military personnel, inmates of institutions and also migrant workers are assigned to the last prior legal residence by the Agricultural Census and to their current place of abode by the U.S. Census. Health care needs for military, migrant workers, students, etc. can best be addressed by using their current residence rather than their permanent residence.

The difference in residence assignment for students and military accounts for the largest difference in county populations between 1978 and 1979 as shown in Table 28 (i.e. Geary and Riley counties). Note that Geary County had a birth rate of 45.4 per 1,000 population in 1981 compared to 57.1 in 1978. The magnitude of the difference is primarily due to the fact that prior to 1979 the Agricultural Census was used as the basis for computing rates; hence babies born to military wives were counted in our numerator, but the military population was omitted in the denominator.

In many cases rates and ratios are based upon a small number of events and/or a small population or upon a different population base. Therefore, care should be exercised in the interpretation of these data as they may not be indicative of actual trends.

Comments and suggestions concerning the contents or general format of this report are welcome and should be directed to the Bureau of Registration and Health Statistics. Since this publication is only a summary, many details which are being tabulated for inclusion in the Bureau's permanent statistical files are not presented. More detailed information may be obtained from the Bureau upon request.

DEFINITIONS

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

TERMS

Abortion: (induced termination of pregnancy)	The purposeful interruption of pregnancy with the intention other than to produce a liveborn infant or to remove a dead fetus and which does not result in a live birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, which weighs more than 350 grams and which is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Death:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D. Code:	The disease-identifying number classified in the Ninth Revision of the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Adapted (1975).
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, which, after such expulsion or extraction, shows any evidence of life such as breathing, heart beat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Net Migration:	The population increase or decrease minus the natural increase.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event actually occurred.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, at the time of birth or at any time between conception and birth.
Perinatal Period III Death:	The death of a fetus which weighs more than 350 grams or of a liveborn infant during the hebdomadal period (less than seven days after birth).
Population Density:	The average number of inhabitants per square mile.
Premature Birth:	Birth of an infant weighing 2,500 grams (5 lbs. 8 oz.) or less at the time of birth.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	X 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	X 1,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	X 1,000
Disease-Specific Death Rate:	$\frac{\text{disease-specific deaths}}{\text{total population}}$	X 100,000

Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	X	1,000
Divorce and Annulment Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	X	1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	X	1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{total births}}$	X	1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	X	1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	X	1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	X	1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	X	10,000
Natural Increase Rate:	$\frac{\text{live births minus total deaths}}{\text{total population}}$	X	1,000
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	X	1,000
Net Migration Rate:	$\frac{\text{net migration}}{\text{total population}}$	X	1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	X	100
Perinatal Period III Death Rate:	$\frac{\text{Perinatal Period III deaths}}{\text{total births}}$	X	1,000
Premature Birth Ratio:	$\frac{\text{premature births}}{\text{live births}}$	X	100

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	zero
0.0	quantity or percent more than zero but less than 0.05.
...	rate or percent not applicable
*	rate, ratio, or percent does not meet statistical standards of precision or reliability (designated whenever the denominator is less than 100).

SUMMARY OF VITAL EVENTS

Table 1
Vital Events and Percent Change
Kansas, 1981, 1980 and 1971

Vital Event	1981	1980	Percent Change 1980 to 1981	1971	Percent Change 1971 to 1981
Total Births.....	41,518	41,026	+1.2	36,436	+13.9
Live Births.....	41,202	40,686	+1.3	36,006	+14.4
Premature.....	2,575	2,363	+9.0	2,419	+6.4
Out-of-wedlock....	5,086	4,979	+2.1	2,927	+73.8
Fetal Deaths.....	316	340	-7.1	430	-26.5
Total Deaths.....	21,579	21,910	-1.5	22,182	-2.7
Perinatal Deaths..	580	566	+2.5	936	-38.0
Hebdomadal Deaths.	264	226	+16.8	506	-47.8
Neonatal Deaths...	322	269	+19.7	553	-41.8
Infant Deaths.....	452	412	+9.7	697	-35.2
Maternal Deaths...	6	4	*	7	*
Marriages.....	26,137	24,847	+5.2	22,528	+16.0
Divorces.....	13,484	13,179	+2.3	9,198	+46.6
Annulments.....	253	231	+9.5	263	-3.8

Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SUMMARY OF VITAL EVENTS

Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, divorces and annulments) increased slightly from 101,193 in 1980 to 102,971 in 1981, an increase of 1.8 percent. All of these vital events increased between 1980 and 1981, except for fetal deaths and total deaths. Table 1 compares these vital events of 1981 with those of 1980 and 1971.

The largest percentage changes between 1980 and 1981 were a 19.7 percent increase in the number of neonatal deaths and a 16.8 percent increase in the number of hebdomadal deaths. Between 1971 and 1981, the number of out-of-wedlock births has increased 73.8 percent and the number of hebdomadal deaths has decreased 47.8 percent.

Another method of examining trends in vital events is the comparison of rates from year to year. Table 2 examines these rates (rate computations are described on pages 10 and 11) from 1971 to 1981 and the rates are graphically presented in Figure 2.

The live birth rate in 1981 remained at 17.2 for the second consecutive year, while the total death rate decreased by 3.2 percent, from 9.3 in 1980 to 9.0 in 1981. The marriage rate in 1981 was 10.9 per thousand population, the highest rate since the 1947 rate of 20.6. The divorce and annulment rate in 1981 remained at 5.7 per thousand population.

Infant, hebdomadal and neonatal death rates decreased considerably after 1971, although they all increased in 1981. The fetal death rate declined from 8.3 in 1980 to 7.6 in 1981.

The remainder of this report elaborates on each of these vital events, summarizing the data from 1981 vital and health records, depicting trends and comparing Kansas events with those for the United States where appropriate.

Table 2
Vital Events by Number, Rate and Ratio*
Kansas, 1971-1981

Vital Event	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Live Births											
Number	36,006	33,176	31,972	32,712	33,707	35,278	36,827	36,581	38,916	40,686	41,202
Rate	16.0	14.6	13.9	14.2	14.6	15.2	15.7	15.5	16.5	17.2	17.2
Out-of-Wedlock Births											
Number	2,927	2,829	2,742	2,867	3,205	3,491	3,873	4,183	4,593	4,979	5,086
Ratio	8.1	8.5	8.6	8.8	9.5	9.9	10.5	11.4	11.8	12.2	12.3
Fetal Deaths											
Number	380	375	355	379	341	364	308	331	330	340	316
Rate	10.4	11.2	11.0	11.5	10.0	10.2	8.3	9.0	8.4	8.3	7.6
Hebdomadal Deaths											
Number	506	410	342	354	304	310	335	254	260	226	264
Rate	14.1	12.4	10.7	10.8	9.0	8.8	9.1	6.9	6.7	5.6	6.4
Perinatal Period III Deaths											
Number	886	785	697	733	645	674	643	585	590	566	580
Rate	24.4	23.4	21.6	22.2	18.9	18.9	17.3	15.8	15.0	13.8	14.0
Neonatal Deaths											
Number	553	441	374	393	341	365	373	302	301	269	322
Rate	15.4	13.3	11.7	12.0	10.1	10.3	10.1	8.3	7.7	6.6	7.8
Infant Deaths											
Number	697	570	496	514	468	492	480	440	427	412	452
Rate	19.4	17.2	15.5	15.7	13.9	13.9	13.0	12.0	11.0	10.1	11.0
Maternal Deaths											
Number	7	2	5	6	6	1	4	8	3	4	6
Rate	1.9	0.6	1.6	1.8	1.8	0.3	1.1	2.2	0.8	1.0	1.5
Total Deaths											
Number	22,182	22,335	22,725	22,156	21,726	21,780	21,271	21,566	21,062	21,910	21,579
Rate	9.9	9.8	9.9	9.6	9.4	9.4	9.1	9.1	8.9	9.3	9.0
Marriages											
Number	22,528	23,879	24,592	24,491	23,767	23,559	23,673	23,975	24,774	24,847	26,137
Rate	10.0	10.5	10.7	10.7	10.3	10.1	10.1	10.2	10.5	10.5	10.9
Divorces and Annulments											
Number	9,461	9,925	10,472	11 84	12,561	12,833	12,629	12,668	12,749	13,410	13,737
Rate	4.2	4.5	4.6	5.0	5.4	5.5	5.4	5.4	5.4	5.7	5.7

*Rate and Ratio computations are explained on pages 10 and 11.
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1971-1981

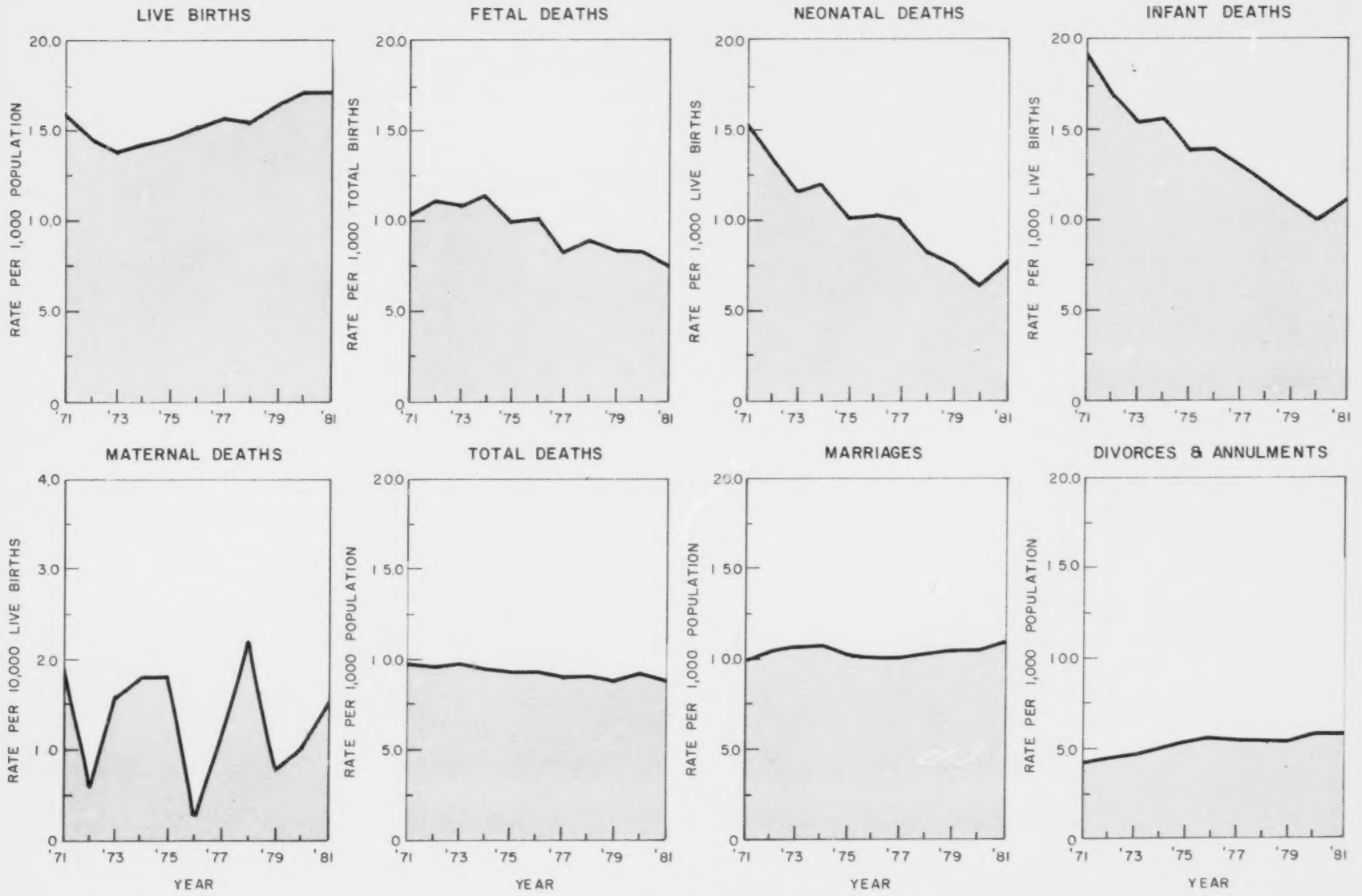
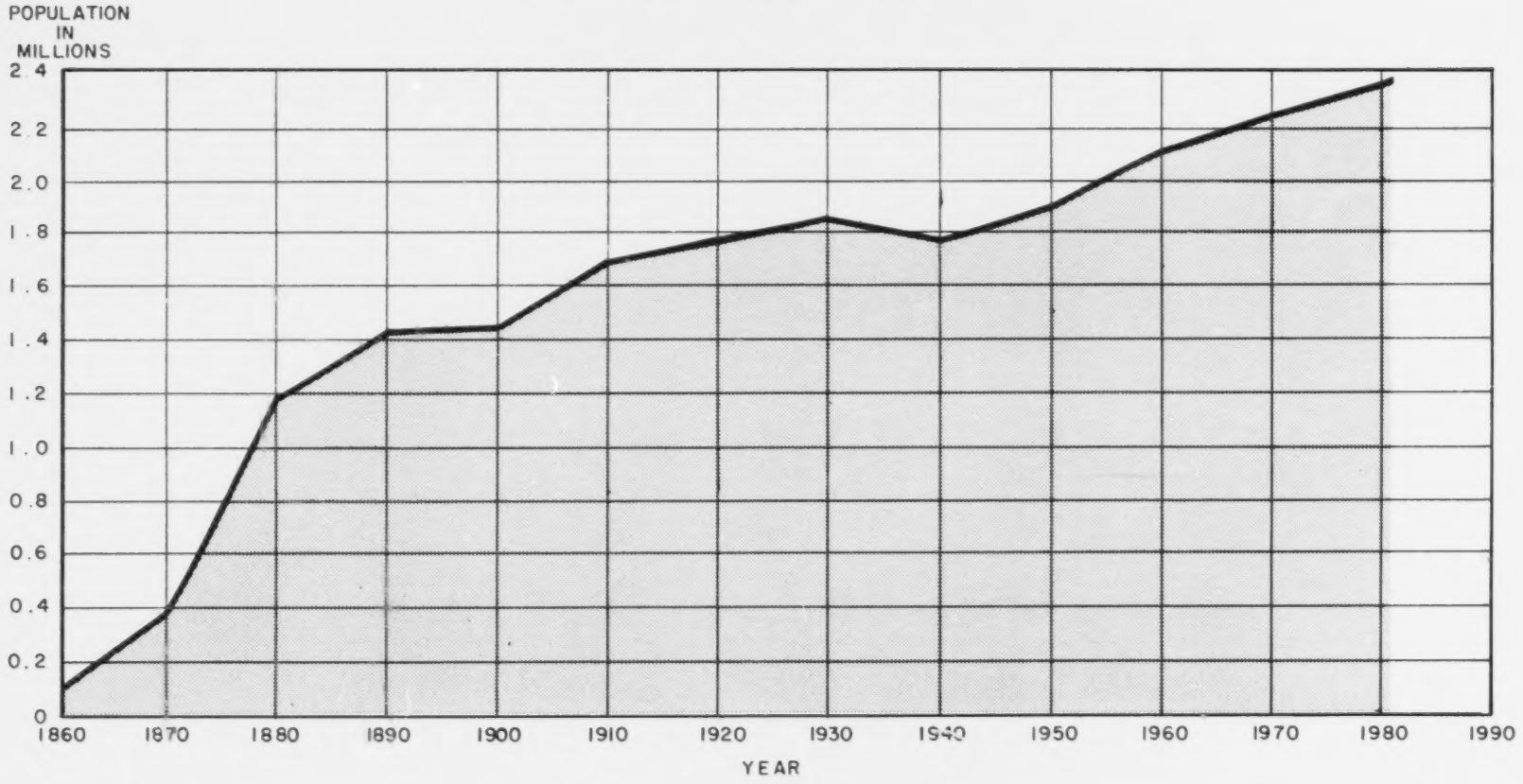


Figure 2

POPULATION

POPULATION GROWTH IN KANSAS
SELECTED YEARS, 1860-1981



Sources of Population Counts: Bureau of Registration and Health Statistics (1981)
United States Bureau of the Census (all other years)

Figure 3

POPULATION

In 1981 the population of Kansas was 2,389,202. This figure was estimated by the Bureau of Registration and Health Statistics and is an increase of 1.1 percent, or 25,994, over that reported on April 1, 1980 by the U.S. Bureau of the Census.

As depicted in Figure 3, Kansas experienced its greatest population growth during the second half of the nineteenth century. During the thirty-year period from 1860 to 1890 population increased thirteen-fold. The next thirty years demonstrated slower growth, increasing by less than two-fold from 1890 to 1920. The reduction in the birth rate and the increase in out-migration during the Depression Years of the 1930's resulted in a decrease in total population of almost four percent. Population began increasing again with the onset of World War II. The economic prosperity of the Fifties and the ensuing "Baby Boom" were reflected in a population increase of almost 12 percent from 1950 to 1960. Slowed growth was again exhibited during the Sixties when population increased 5.6 percent during that decade. Over the past eleven years the population has increased only 6.2 percent from a total of 2,249,071 in 1970 to the present total of 2,389,202 in 1981. Population estimates, as well as annual increases or decreases for the past thirty years are shown in Table 3. (County population totals, 1977 to 1981, are given in Appendix Table 28.)

Natural Increase and Net Migration

The combined factors of the natural increase (live births minus total deaths) and net migration (actual population increase or decrease minus the natural increase) determine population growth. The annual natural increase and net migration from 1952 to 1981 are exhibited in Table 3. The highest natural increase during the period was 34,319 in 1954, which represents a natural increase rate of 17.2 per thousand population. After a general downward trend in the years that followed, the natural increase again began rising in 1974 and the 1981 natural increase was 19,623. The natural increase rate increased 3.8 percent from 7.9 per thousand population in 1980 to 8.2 in 1981. Net migration, on the other hand, has been less predictable, with sudden large fluctuations in out-migration. Considerable out-migration occurred from 1955 to 1964. The net migration for 1981 was not available at the time of publication.

Table 3
Population, Natural Increase and Net Migration
Kansas, 1952-1981

Year	Population*	Population Increase or Decrease During Year	Natural Increase	Net Migration
1981. . . .	2,389,202	n.a.	19,623	n.a.
1980. . . .	2,363,208	25,994	18,776	7,218
1979. . . .	2,362,075	1,133	17,854	-16,721
1978. . . .	2,359,262	2,813	15,015	-12,202
1977. . . .	2,341,261	18,001	15,556	2,445
1976. . . .	2,327,471	13,790	13,498	292
1975. . . .	2,314,479	12,992	11,981	1,011
1974. . . .	2,299,220	15,259	10,556	4,703
1973. . . .	2,301,623	- 2,403	9,247	-11,650
1972. . . .	2,277,905	23,718	10,841	12,877
1971. . . .	2,249,248	28,657	13,824	14,833
1970. . . .	2,249,071	177	16,364	-16,187
1969. . . .	2,287,302	-38,231	14,350	-52,581
1968. . . .	2,265,170	22,132	13,110	9,022
1967. . . .	2,236,750	28,420	13,196	15,224
1966. . . .	2,220,362	16,388	14,192	2,196
1965. . . .	2,197,815	22,547	17,516	5,031
1964. . . .	2,180,533	17,282	21,649	- 4,367
1963. . . .	2,172,296	8,237	23,804	-15,567
1962. . . .	2,165,009	7,287	27,001	-19,714
1961. . . .	2,146,154	18,855	28,940	-10,085
1960. . . .	2,130,579	15,575	29,621	-14,046
1959. . . .	2,115,441	15,138	31,891	-16,753
1958. . . .	2,100,665	14,776	31,401	-16,625
1957. . . .	2,081,654	19,011	32,706	-13,695
1956. . . .	2,077,711	3,943	33,408	-29,465
1955. . . .	2,050,478	27,233	33,878	-6,645
1954. . . .	1,999,457	51,021	34,319	16,702
1953. . . .	1,965,112	34,345	32,598	1,747
1952. . . .	1,980,073	-14,961	30,389	-45,350

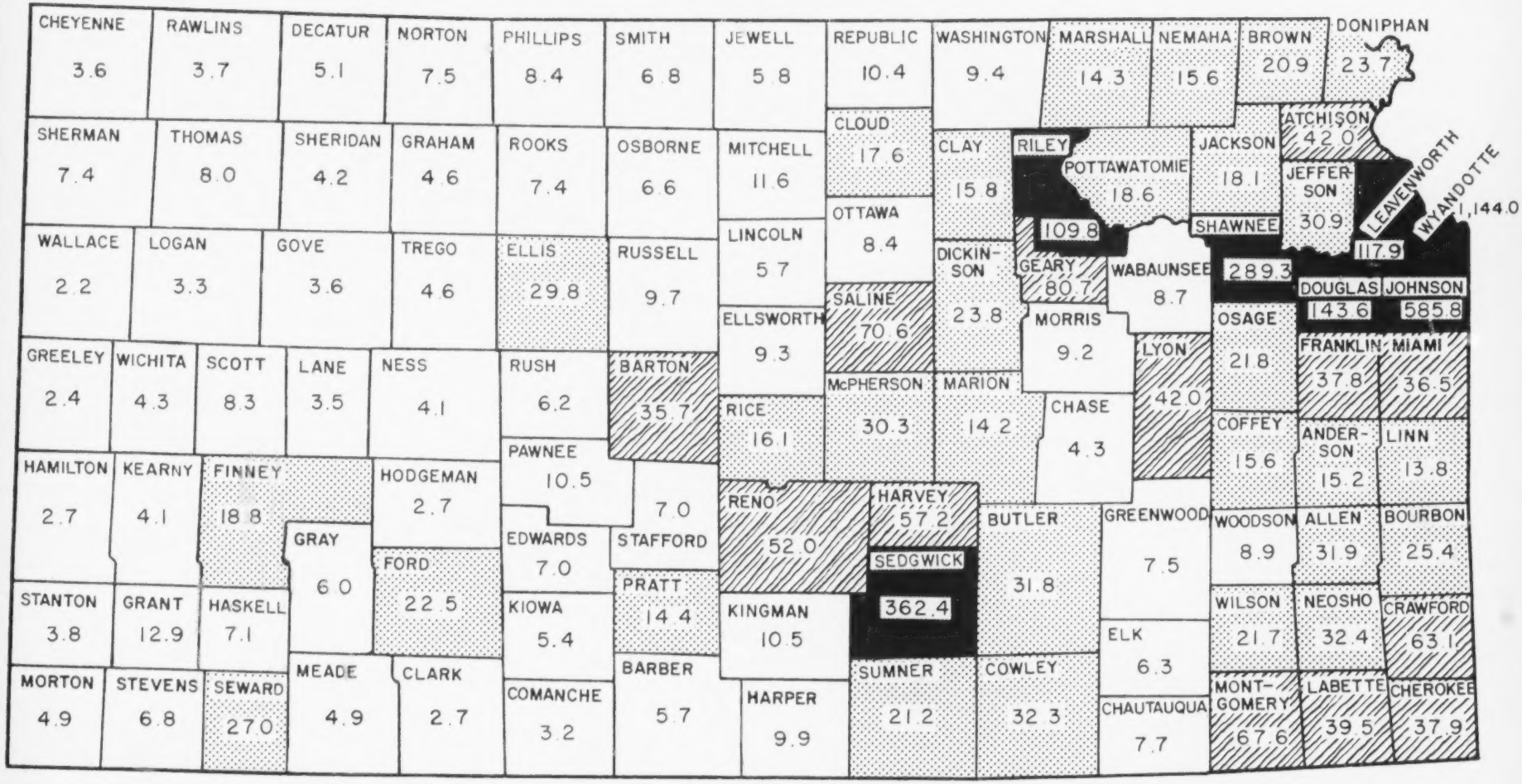
*Sources: Bureau of Registration and Health Statistics (1979, 1981)
United States Bureau of the Census (1970, 1980)
Kansas Board of Agriculture/County Appraisers (all other years)

Population Density

The total land area of the State of Kansas is 81,795 square miles. The population density of the State, or the average number of inhabitants per square mile in 1981, was 29.2 as compared with 28.9 in 1980 and 27.5 in 1970.

As illustrated in Figure 4, the population density varied considerably among counties. In 1981, 21 of Kansas' 105 counties had population densities of less than 5.0. These counties were predominantly in the Western portion of the State.

POPULATION DENSITY BY COUNTY
KANSAS, 1981



STATE POPULATION DENSITY: 29.2

Sources: Land area for each county obtained from the United States Bureau of the Census (1970). Population figures for 1981 were from the Bureau of Registration and Health Statistics.

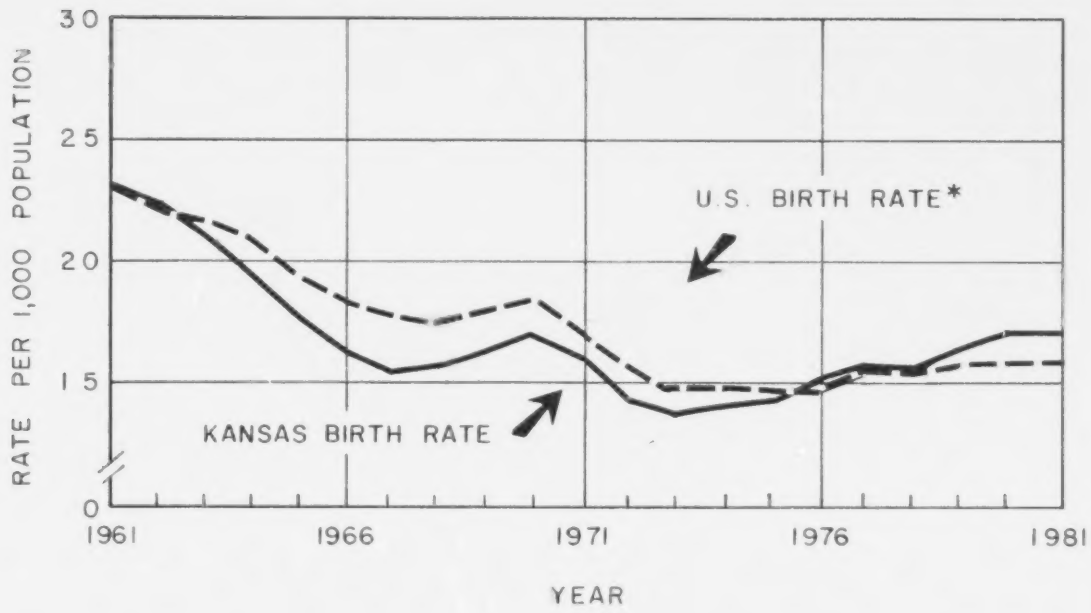
INHABITANTS PER SQUARE MILE

2.0 13.0 35.0 100.0 1,144.0

Figure 4

LIVE BIRTHS

BIRTH RATES
KANSAS AND THE UNITED STATES, 1961-1981



*1980 and 1981 United States birth rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 5

LIVE BIRTHS

During 1981, 41,202 live births were recorded for mothers with Kansas residency, representing a birth rate of 17.2 per 1,000 population. These figures reflect a numerical increase of 1.3 percent above the 40,686 live births in 1980. However, there was no change in the birth rate from 1980 to 1981.

Trends

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. Illustrated in Figures 5 and 6 are comparisons of Kansas birth rates and fertility rates with those of the United States.

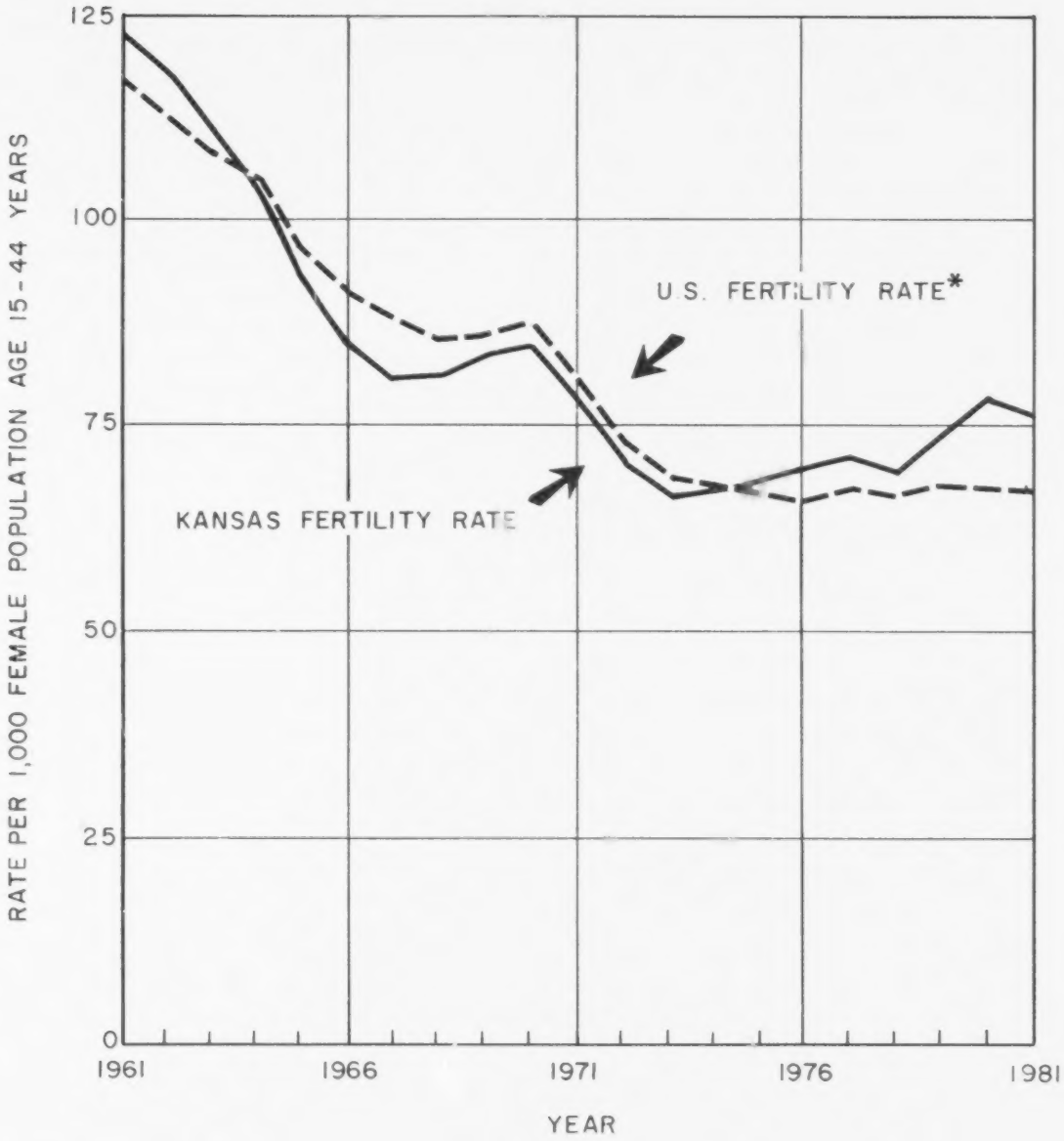
In 1961, the Kansas birth rate was the same as the national birth rate of 23.3. Following 1961, the Kansas birth rate dropped for six consecutive years. After reaching a low of 15.6 in 1967, the Kansas birth rate turned upward slightly in the late 1960's and 1970. After another short-term decline of three years, the Kansas birth rate reached a new low of 13.9 in 1973. In 1978, Kansas experienced a decreased birth rate for the first time in five years. The birth rate has since increased to a rate of 17.2 for 1980 and 1981. (The number of births and birth rates from 1977-1981 for each Kansas county are given in Appendix Table 29.)

The Kansas fertility rate was 123.2 in 1961, 5.1 percent above the national rate of 117.2. Following 1961, the fertility rate began to drop and did so for six consecutive years. After a short-term increase in 1969 and 1970, the fertility rate declined for three years. Kansas, in 1978, experienced a decreased fertility rate for the first time in five years, followed by an increase in 1979 and 1980. In 1981, the fertility rate in Kansas decreased slightly to 76.3.

Sex of Infant, Race and Plurality

Since birth information was first recorded in Kansas in 1915, the percent distribution of live births has remained relatively constant for males and females. In 1915, the percentage breakdown for male and female live births was 51.6 percent and 48.4 percent, respectively. The distribution in 1981 was nearly identical, with 51.5 percent of the live births recorded as males and 48.5 percent as females.

FERTILITY RATES
KANSAS AND THE UNITED STATES, 1961-1981



*1980 and 1981 United States fertility rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 6

Live Births: Distribution by Race of Mother by Sex of Infant

Race of Mother	Live Births	Sex of Infant		
		Male	Female	N.S.
Total	41,202	21,204	19,996	2
White	37,253	19,138	18,113	2
Black	3,030	1,603	1,427	-
Other Races.....	911	460	451	-
N.S.	8	3	5	-

White mothers gave birth to 90.4 percent of the liveborn infants in Kansas in 1981. Another 7.4 percent of the mothers were Black and other races represented 2.2 percent of the live births.

In 1981, a total of 808 live births, only 2.0 percent, represented multiple births, while a total of 40,394 single births were recorded. Of the 808 multiple births, 790 were from twin births and 18 were of triplet births.

Birth Order

First births accounted for 41.3 percent of all live births in 1981. Second-born infants represented 33.6 percent and third births, 16.1 percent. Thirty years ago, in 1951, 31.2 percent of the 47,352 live births were first births; 30.5 percent were second-born infants and 19.1 percent were third births. The number and percent of live births by order of birth is presented below for 1981:

Live Births: Number and Percent by Birth Order

Birth Order	Number	Percent
Total	41,202	100.0
First	17,020	41.3
Second	13,850	33.6
Third.....	6,632	16.1
Fourth	2,295	5.6
Fifth.....	814	2.0
Sixth.....	301	0.7
Seventh	151	0.4
Eighth	66	0.1
Ninth.....	40	0.1
Tenth and Over.....	33	0.1

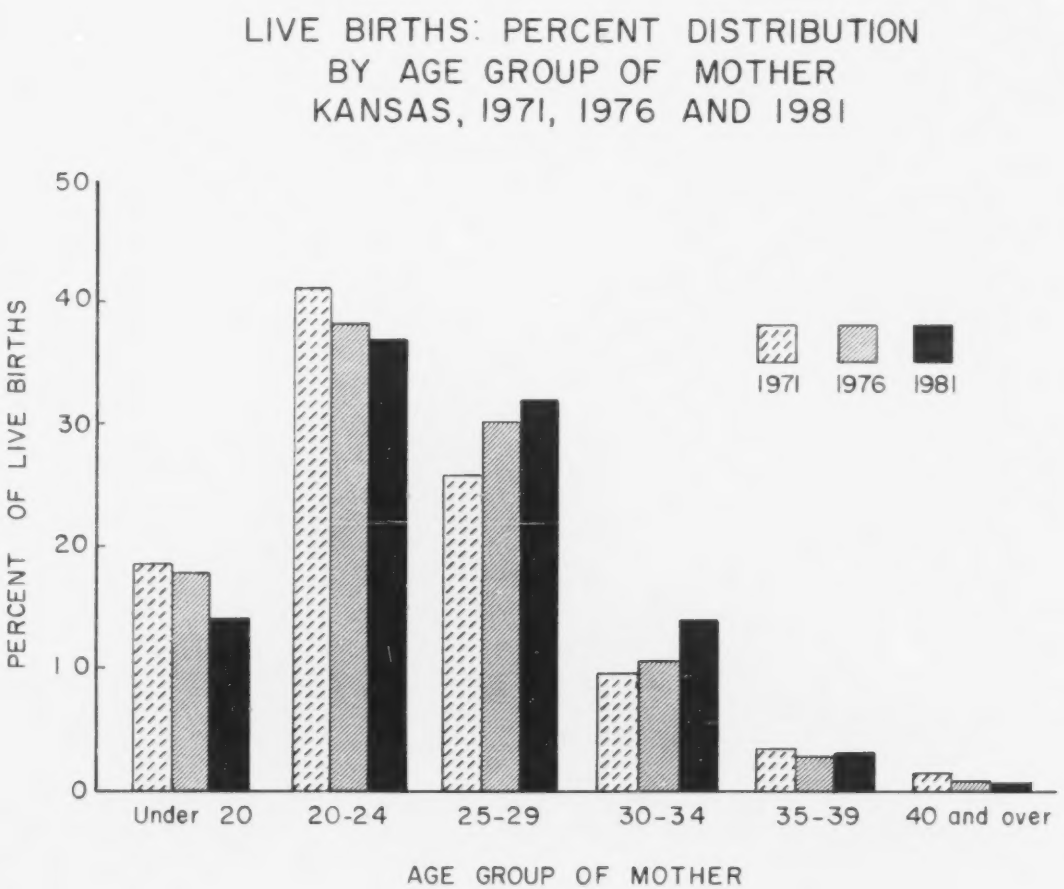
Institution of Birth and Attendant

The number of deliveries which are performed in hospitals has increased dramatically through the years. For example, in 1941, 59.3 percent of all live births occurred in a hospital. Forty years later, in 1981, only 195 of the 41,202 live births occurred outside of the hospital setting, a mere 0.5 percent.

Another factor which may affect both maternal and infant health is whether or not the attendant is present at the time of birth. Unlike the institution of birth this factor has remained consistent for forty years. In 1941, 99.8 percent of the births were physicians' deliveries. By 1981, the situation was virtually unchanged--99.3 percent of the births were attended by a physician.

Parental Age

The average maternal age in 1981 was 24.8 years, while the average paternal age was 27.5 years. Figure 7 shows the changing pattern in the distribution of births by maternal age for 1971, 1976 and 1981.



Residence data.

Figure 7

The ages from 20 to 24 were the most popular child-bearing ages in 1971, 1976 and 1981. During this same time frame, however, there was a gradual downward trend in the proportion of child-bearing women in the 20 to 24 and 40 and over age groups. There was a gradual increase in the proportion of child-bearing women between 25 and 34. (Live births by county of maternal residence and age group are shown in Appendix Table 30.)

Birth Weight and Premature Births

Birth weights are classified as low, normal or heavy according to the gram limits outlined in Table 4. Ninety-two percent of the live births in 1981 were of normal weight, between 2,501 and 4,500 grams. Babies weighing over 4,500 grams constituted only 1.8 percent of the live births.

Low birth weight babies of 2,500 grams or less is the weight category generally considered the most critical in regard to infant survival chances. This weight category comprises those deliveries herein referred to as premature births. The 2,575 premature births in 1981 accounted for 6.2 percent of all live births. The number of premature births for mothers in each age group, percent distribution and age-specific premature birth ratios (premature births as a percent of all live births within an age group) are shown in Table 4.

The age of the mother is an important factor influencing the birth weight of the baby. In 1981, mothers 20 to 24 years of age accounted for the largest percentage (37.4) of the premature births; followed by 26.9 percent accounted for by mothers 25-29 years of age. A somewhat more reliable indicator of the tendency for child-bearing women in a particular age group to have premature births is the age-specific premature birth ratio. The largest age-specific premature birth ratio, in 1981, was 9.0 percent of the births for mothers 15-19 years of age followed by 7.0 percent of the births for mothers 35-39 years of age.

Out-of-Wedlock Births

In 1981, the number of out-of-wedlock births to Kansas residents reached a record high of 5,086 reflecting a 2.1 percent increase over the 1980 total of 4,979. These out-of-wedlock births represented 12.3 percent of all live births in 1981.

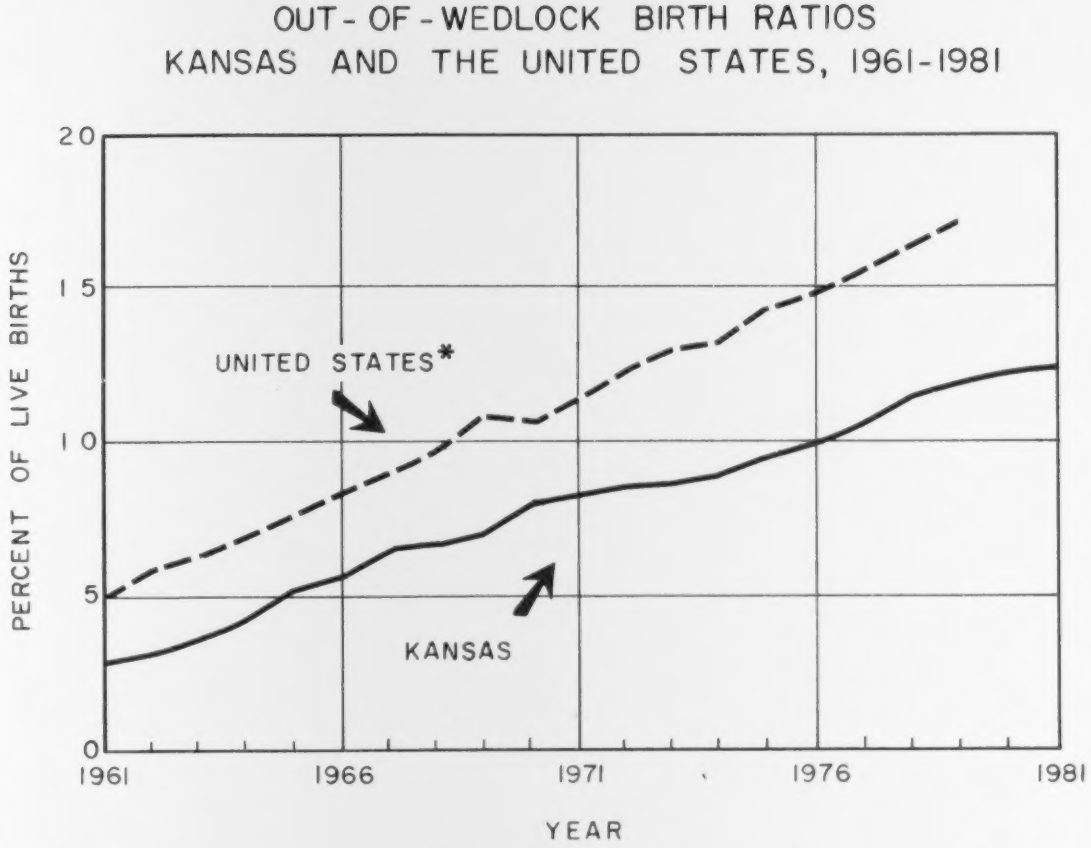
Although the out-of-wedlock birth ratio in Kansas was below the national ratio from 1961 to 1979 (Figure 8), the increasing trend in the out-of-wedlock birth ratio in Kansas was similar to the upward trend throughout the United States during this period.

The number of out-of-wedlock births to mothers in each age group in 1981, percent distribution and age-specific out-of-wedlock birth ratios, or the out-of-wedlock births as a percent of all live births within an age group, are shown in Table 4. (Out-of-wedlock births by maternal county of residence by maternal age group are given in Appendix Table 31.)

Table 4
Live Births by Age Group of Mother, by Selected Characteristics
Kansas, 1981

Age Group of Mother	Total	Selected Characteristics of Live Births									
		Birth Weight (Grams)				Premature Births			Out-of-Wedlock Births		
		Under 2,501 (Low)	2,501 - 4,500 (Normal)	Over 4,500 (Heavy)	Not Stated	Number	Percent	Age-Specific Ratio	Number	Percent	Age-Specific Ratio
All Ages.....	41,202	2,575	37,895	725	7	2,575	100.0	...	5,086	100.0	...
10-14.....	56	6	50	-	-	6	0.2	*	48	1.0	*
15-19.....	5,739	515	5,166	57	1	515	20.0	9.0	2,164	42.6	37.7
20-24.....	15,170	963	13,992	213	2	963	37.4	6.3	1,903	37.4	12.5
25-29.....	13,085	694	12,119	270	2	694	26.9	5.3	671	13.2	5.1
30-34.....	5,743	298	5,309	134	2	298	11.6	5.2	210	4.1	3.7
35-39.....	1,202	84	1,075	43	-	84	3.3	7.0	73	1.4	6.1
40-44.....	192	13	171	8	-	13	0.5	6.8	16	0.3	8.3
45 & Over.....	12	2	10	-	-	2	0.1	*	-	-	-
Not Stated.....	3	-	3	-	-	-	-	-	1	0.0	*

Residence data.



*1980 and 1981 data from the National Center for Health Statistics were not available at the time of publication.

Residence data.

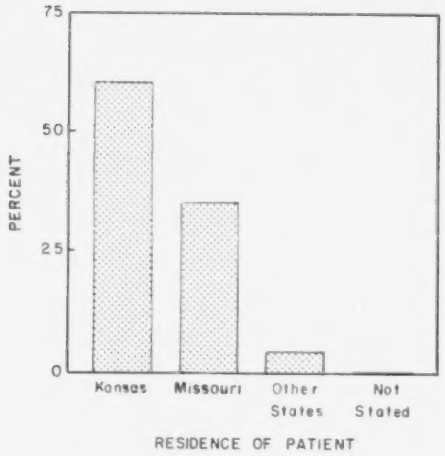
Figure 8

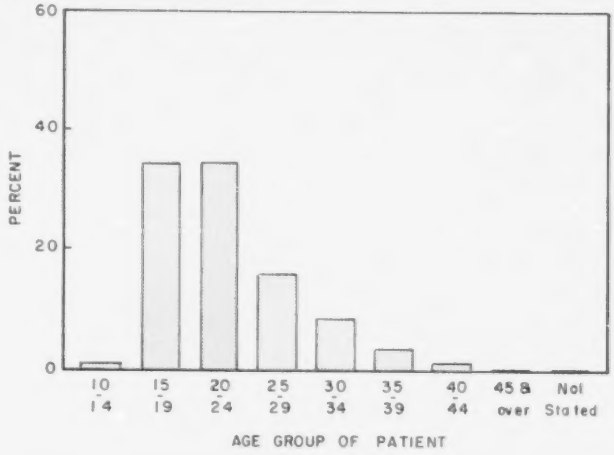
Of the total number of live births to mothers under 20, 38.2 percent were out-of-wedlock. Further, nearly half of the out-of-wedlock births (43.5 percent) were to mothers under 20.

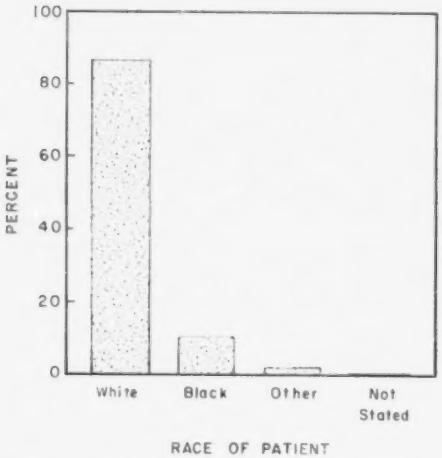
Age-specific out-of-wedlock birth ratios reveal that 37.7 percent of the births to mothers 15 to 19 years of age were out-of-wedlock in 1981. The ratio dropped to 12.5 percent with the next age group, 20-24 years.

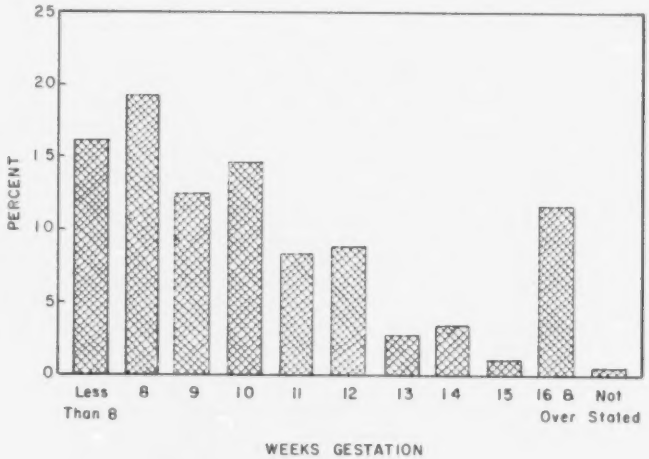
BIRTH-RELATED MORTALITY

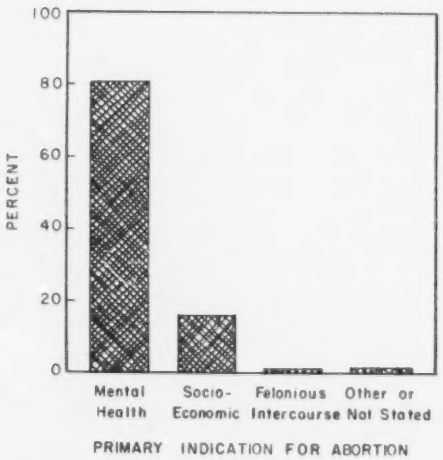
REPORTED INDUCED ABORTIONS BY SELECTED CHARACTERISTICS KANSAS, 1981

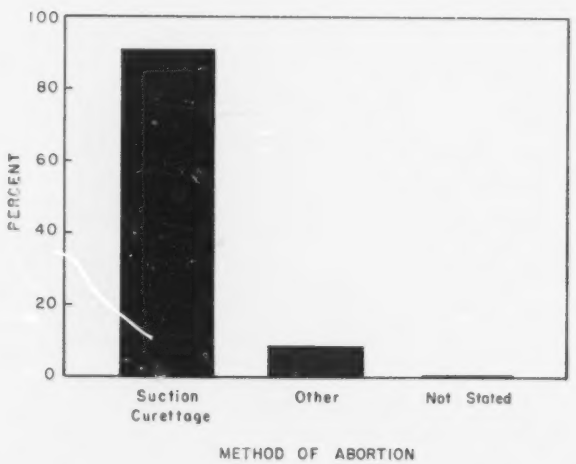












Occurrence data.

Figure 9

BIRTH-RELATED MORTALITY

This section examines mortality as it relates to pregnancy, childbirth, and infancy. For discussion purposes it is divided into five subdivisions: (1) induced abortions; (2) fetal deaths (stillbirths); (3) Perinatal Period III mortality; (4) infant deaths; and (5) maternal deaths.

INDUCED ABORTIONS

The Kansas liberalized abortion law was enacted in July, 1970, and from that time through 1981, 131,635 abortions were reported in Kansas. There were 12,137 abortions reported in Kansas in 1981.

The number of abortions reported in Kansas from 1971 to 1981 are shown below. The decline in the number of abortions reported in Kansas after 1973 is attributable to the reduction in the number of out-of-state residents having abortions performed in Kansas since the 1973 United States Supreme Court ruling which legalized abortion in all states. The number of abortions reported in Kansas in 1981 represented a 9.3 percent decrease from the 1980 total of 13,381.

Number of Abortions Reported in Kansas by Year

Year	Number
1981.....	12,137
1980.....	13,381
1979.....	13,901
1978.....	10,904
1977.....	10,898
1976.....	11,597
1975.....	10,860
1974.....	10,871
1973.....	12,612
1972.....	12,248
1971.....	9,472

Summary statistics are available only for those 10,448 abortions reported by hospitals and clinics participating in our abortion reporting system during 1981. Selected characteristics of these 10,448 abortions are illustrated in Figure 9.

Residency: In 1981, 6,291 abortions or 60.2 percent of the 10,448 reported in the State, were performed for Kansas residents. Of the 4,150 nonresidents who had abortions in Kansas, 88.6 percent (3,676) were Missouri residents. Residents from other states included those from Illinois (176), Oklahoma (79), Nebraska (70), Iowa (49) and Indiana (22). Seventy-eight patients represented other states and residence was not stated in seven cases. (Induced abortions by county of residence and age group of patient in 1981 are given in Appendix Table 32.)

Age of Patient: Most reported abortions were performed in the 15-19 and 20-24 age groups as shown in Figure 9. Enumerated below are residence data for the number of abortions by age group of patient, percent distribution and age-specific abortion ratios (number of abortions reported per thousand live births for a given age group.)

Abortions: Distribution by Age Group of Patient and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	6,291	100.0	n/a
10-14.	40	0.6	*
15-19.	2,179	34.6	379.7
20-24.	2,219	35.3	146.3
25-29.	1,010	16.1	77.2
30-34.	530	8.4	92.3
35-39.	224	3.6	186.4
40-44.	76	1.2	395.8
45 and Over . .	7	0.1	*
N.S.	6	0.1	...

**Age-specific abortion ratios are expressed as the number of abortions per 1,000 live births for a given age group.

Race: Most of the abortion patients, 86.8 percent, in 1981 were White. Black patients represented 11.1 percent, other races constituted 1.8 percent and 0.3 percent did not report their race.

Marital Status of Patient: Of the 10,448 abortion patients in Kansas, 8,086 or 77.4 percent, were not married, 2,343, or 22.4 percent were married and 19 or 0.2 percent did not report their marital status.

Primary Indication for Abortion: In most cases, 80.4 percent, mental health was indicated as the patient's primary reason for seeking an abortion. Socio-economic was indicated in 1,749 cases, 16.7 percent, and felonious intercourse in 102 cases, 1.0 percent. Other reasons, such as physical health, fetal defect, rape and incest were indicated in 49 cases or 0.5 percent and 146 or 1.4 percent fall into the category of other or not stated.

Method of Abortion: Ninety-one (91.4) percent (9,545) of the abortions were performed by suction curettage. Intra-uterine prostaglandin instillation was utilized in 75 cases and sharp curettage performed in 51 cases.

Weeks Gestation: Most abortions (82.9 percent) were performed within the first three months of pregnancy, or prior to the fourteenth week of gestation. Only 1,735, or 16.6 percent, were performed later than the fourteenth week after conception, with 47, or 0.5 percent, not stated as to weeks gestation.

FETAL DEATHS (Stillbirths)

There were 316 fetal deaths recorded for Kansas residents in 1981, representing a 7.1 percent decrease from the 1980 total of 340. The fetal death rate in 1981 was 7.6, per 1,000 total births, a decrease of 8.4 percent from the 1980 rate of 8.3. The fetal death rate has declined by 33.3 percent from the decade high of 11.4 in 1974. (Table 33 in the Appendix shows the number of fetal deaths by county of residence in 1981.)

Cause of Death: In 1981, 15.8 percent of the fetal deaths were attributable to placental separation and hemorrhage (50). Other common causes of fetal deaths were: compression of umbilical cord (30), abnormalities of the placenta (29), asphyxia or anoxia (15), and maternal hypertensive disorders (14). (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)

Weight: Fetuses weighing between 351 and 2,000 grams (12.4 oz. to 4 lb. 6 oz.) constituted 60.1 percent of the fetal deaths in 1981. Sixty-eight percent of all fetal deaths weighed 2,500 grams or less (5 lb. 8 oz.).

Race: While 90.4 percent of the mothers of infants born in 1981 were White, 85.8 percent of the fetal deaths involved women of this race, indicating a somewhat greater fetal death rate for non-White races.

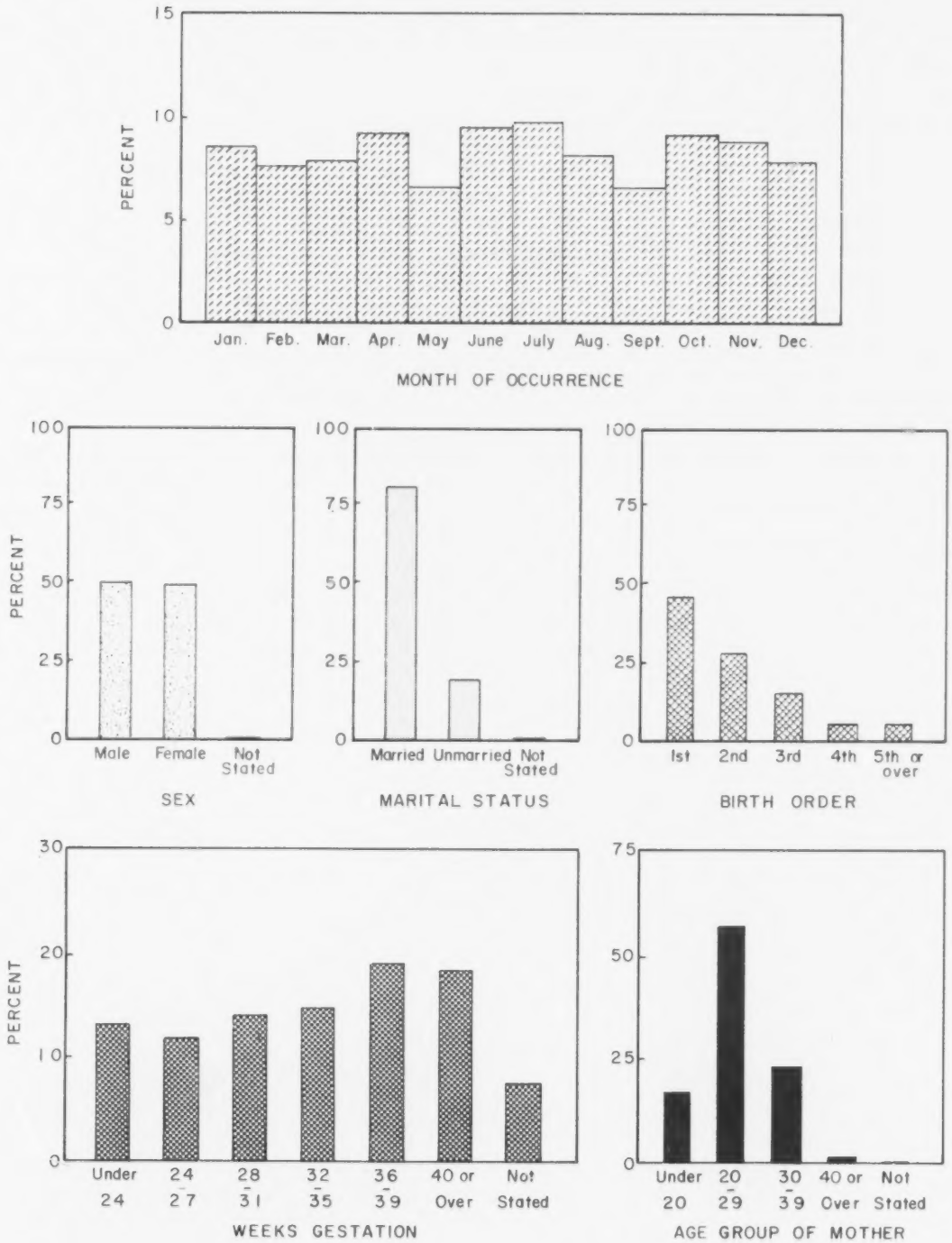
Maternal Age: The average age of mothers having fetal deaths in 1981 was 25.4 years, only slightly higher than the average maternal age of 24.8 years for live births. The number of fetal deaths by maternal age group, percent distribution and age-specific fetal death ratios (the number of fetal deaths per thousand live births for a given age group) are shown below.

Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	316	100.0	...
10-14	1	0.3	*
15-19	53	16.8	9.2
20-24	99	31.3	6.5
25-29	83	26.3	6.3
30-34	56	17.7	9.8
35-39	18	5.7	15.0
40-44	5	1.6	26.0
N.S	1	0.3	...

**Age-specific fetal death ratios are expressed as the number of fetal deaths per 1,000 live births for a given age group.

FETAL DEATHS BY SELECTED CHARACTERISTICS KANSAS, 1981



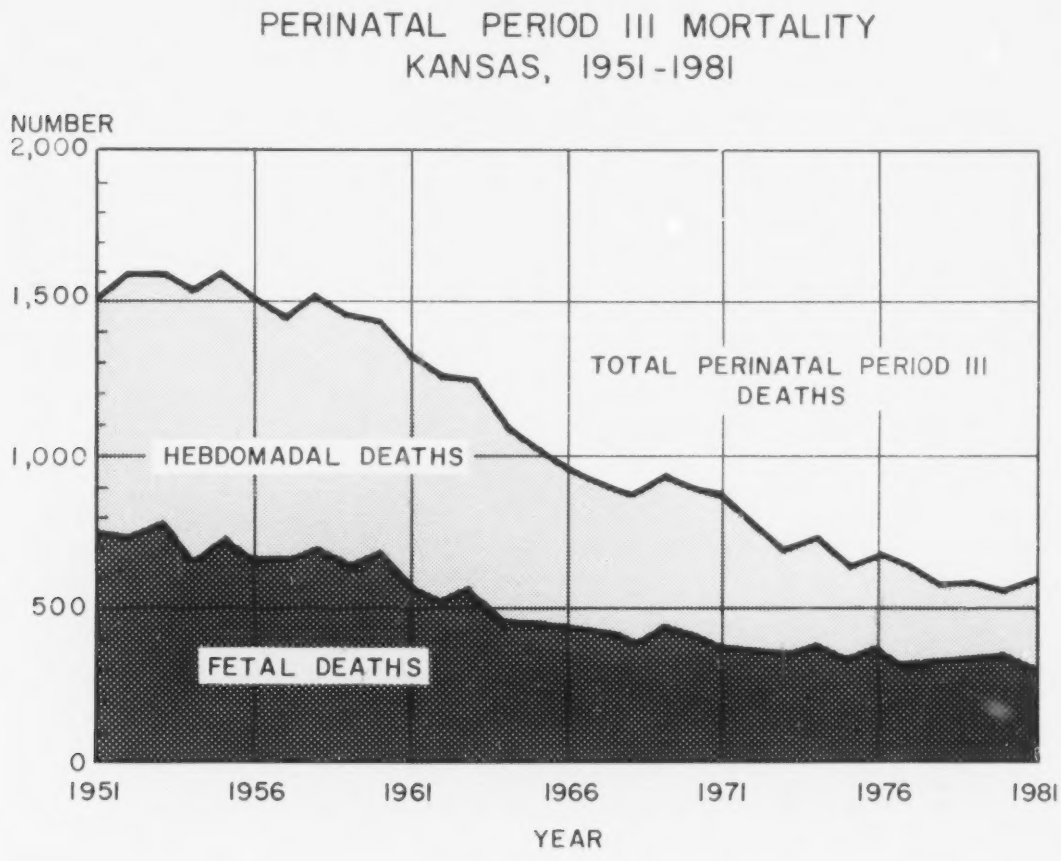
Residence data.

Figure 10

Other Characteristics: Selected characteristics of fetal deaths in 1981 are outlined in Figure 10. Viewing the month of occurrence, 9.8 percent of the fetal deaths occurred in July and 9.5 percent in June. No particular seasonal or monthly patterns were evident. As a comparison, 51.5 percent of the live births in 1981 were males while 50.3 percent of the fetal deaths for the year were male fetuses. Nineteen percent of all fetal deaths were from out-of-wedlock pregnancies. The largest percentage of fetal deaths (46.2 percent) occurred with first pregnancies, with the incidence declining with higher birth order. Thirty-eight percent of the fetal deaths occurred after 35 weeks of gestation.

PERINATAL PERIOD III MORTALITY

Perinatal Period III mortality refers to the aggregated total of fetal deaths and hebdomadal deaths (deaths which occur prior to the 7th day of life).



Residence data.

Figure 11

Since 1955 there has been a general downward trend in the number of Perinatal Period III deaths. The number of deaths decreased from 1,604 in 1955 to 580 in 1981. A graphic representation of Perinatal Period III mortality which occurred between 1951 and 1981 is presented in Figure 11.

Table 5
Perinatal Period III Mortality
Kansas, Selected Years, 1951-1981

Year	Fetal Deaths*	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate
1981	316	264	580	14.0
1980	340	226	566	13.8
1979	330	260	590	15.0
1978	331	254	585	15.8
1977	308	335	643	17.3
1976	364	310	674	18.9
1975	341	304	645	18.9
1974	379	354	733	22.2
1973	355	342	697	21.6
1972	375	410	785	23.4
1971	380	506	886	24.3
1970	423	477	900	23.3
1969	456	480	936	24.9
1968	393	494	887	24.7
1967	430	482	912	25.8
1963	555	714	1,269	27.3
1959	646	820	1,466	27.6
1955	736	868	1,604	30.0
1951	750	752	1,502	31.2

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams in 1963.

Residence data.

Examining the components which constitute Perinatal Period III mortality in Table 5, both the numbers of fetal deaths and hebdomadal deaths declined during the 1951 to 1981 period. Fetal deaths accounted for 57.9 percent fewer deaths in 1981 than they did in 1951, and hebdomadal deaths decreased by 64.9 percent. (Perinatal Period III deaths by county of residence are given in Appendix Table 33.)

INFANT DEATHS

An infant death is defined as a death of a liveborn infant who is under one year of age. Below are the major components, or stages of infancy, which constitute the first year of life, and deaths which occur during that time are hereafter classified in a like manner.

Hebdomadal deaths - occur prior to the seventh day of life.

Post-hebdomadal deaths - occur from 7 through 27 days after birth.

Neonatal deaths - occur prior to the twenty-eighth day of life.

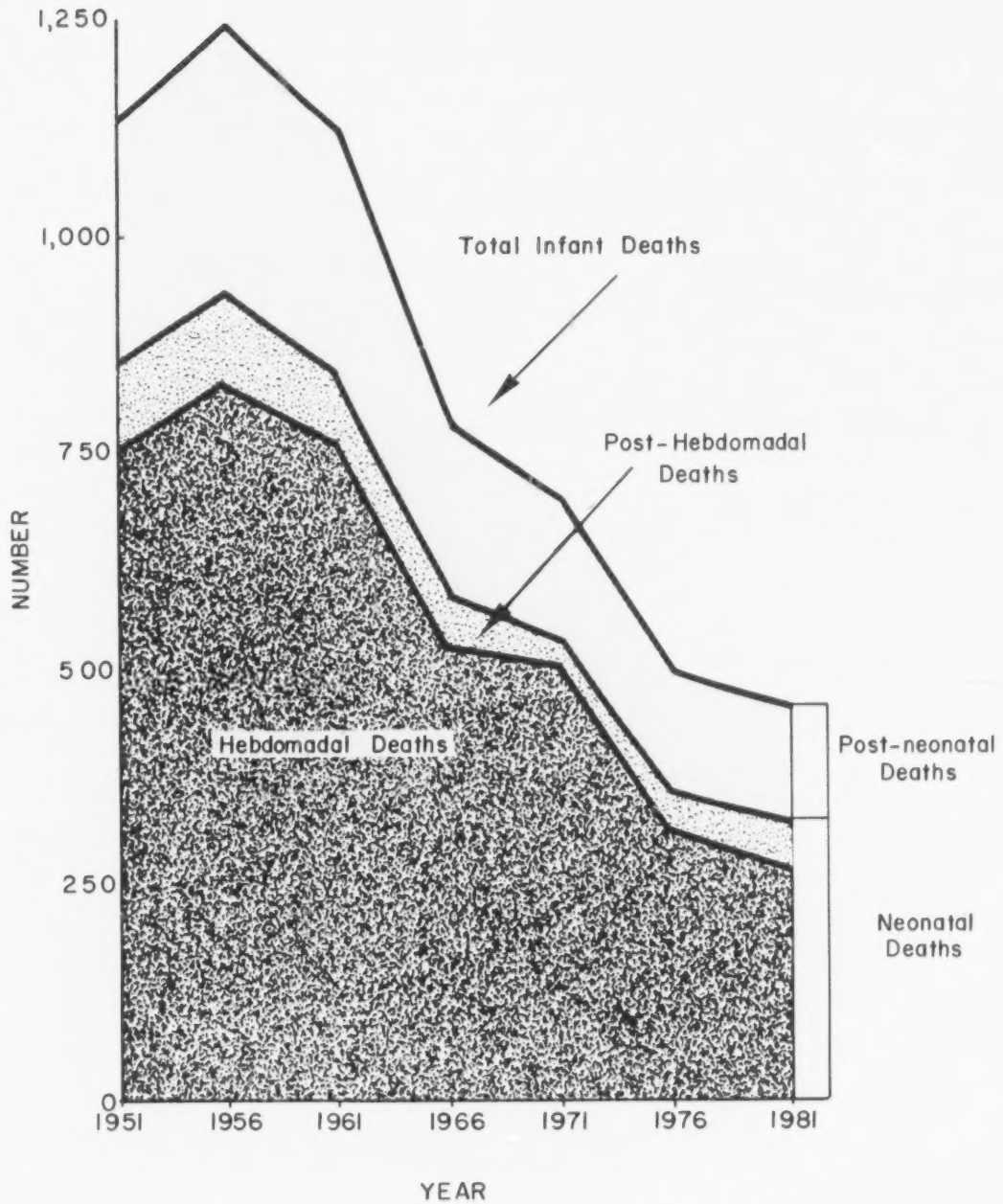
Post-neonatal deaths - occur after 27 days but prior to one year after birth.

These stages overlap in that neonatal deaths represent the total number of hebdomadal and post-hebdomadal deaths. Infant deaths are the sum of neonatal deaths and post-neonatal deaths.

In 1981, there were 452 infant deaths in Kansas. The number of infant deaths, as graphically presented in Figure 12, declined 60.1 percent from 1951 to 1981. Expressed as a rate per thousand live births, infant deaths dropped from 23.9 in 1951 to 11.0 in 1981. By comparison the estimated infant mortality rate for the United States was 11.7 in 1981. The component stages of infant deaths, neonatal deaths (including the hebdomadal and post-hebdomadal periods) and post-neonatal deaths, declined in Kansas in a somewhat parallel manner during the 1951-1981 time period, with the margin between the two narrowing slightly in later years. Neonatal deaths totaled 853 in 1951 compared to 322 in 1981, a 62.3 percent decline. Post-neonatal deaths concurrently dropped by 53.6 percent, from 280 in 1951 to 130 in 1981. (Table 34 in the Appendix shows the number of infant deaths by components and county of residence in 1981.)

Cause of Death: "Congenital anomalies" was the most common cause of infant death and accounted for 104 or 23.0 percent of all infant deaths. "Respiratory distress syndrome and other respiratory conditions" represented 66 or 14.6 percent of all infant deaths and was the second leading cause. All causes of infant death by age group are listed in Table 6.

INFANT DEATHS BY COMPONENT
KANSAS, SELECTED YEARS, 1951-1981



Residence data.

Figure 12

Table 6
Infant Deaths by Cause of Death and Age Group of Infant
Kansas, 1981

Cause of Death (ICD Code)	Age Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days**	7-27 Days	Under 28 Days***	28-364 Days	Under 1 Year
All Causes (000-E999)	179	85	264	58	322	130	452
Infections and Parasitic Diseases (001-139)	-	-	-	3	3	9	12
Other Diseases and Disorders (140-739)	3	1	4	5	9	29	38
Congenital Anomalies (740-759)	34	29	63	21	84	20	104
Certain Conditions Originating in the Perinatal Period (760-779)	142	55	197	22	219	7	226
*Maternal Conditions of Pregnancy and Childbirth (760-761, 763-764)	18	6	24	1	25	-	25
*Complications of Placenta, Cord and Membranes (762)	15	2	17	-	17	-	17
*Immaturity (765)	32	2	34	-	34	-	34
*Birth Trauma (767)	4	8	12	3	15	2	17
*Hypoxia and Birth Asphyxia (768)	20	6	26	2	28	-	28
*Respiratory Distress Syndrome and Other Respiratory Conditions (769-770)	37	16	53	8	61	5	66
*Infections Specific to Perinatal Period (771)	1	4	5	5	10	-	10
*Fetal and Neonatal Hemorrhage (772)	4	5	9	1	10	-	10
*Other (773-779)	11	6	17	2	19	-	19
Symptoms and Ill-defined Conditions (780-799)	-	-	-	5	5	48	53
*Sudden Infant Death Syndrome (798)	-	-	-	5	5	45	50
*Other (780-797, 799)	-	-	-	-	-	3	3
External Causes of Injury and Poisoning (E800-E999)	-	-	-	2	2	17	19

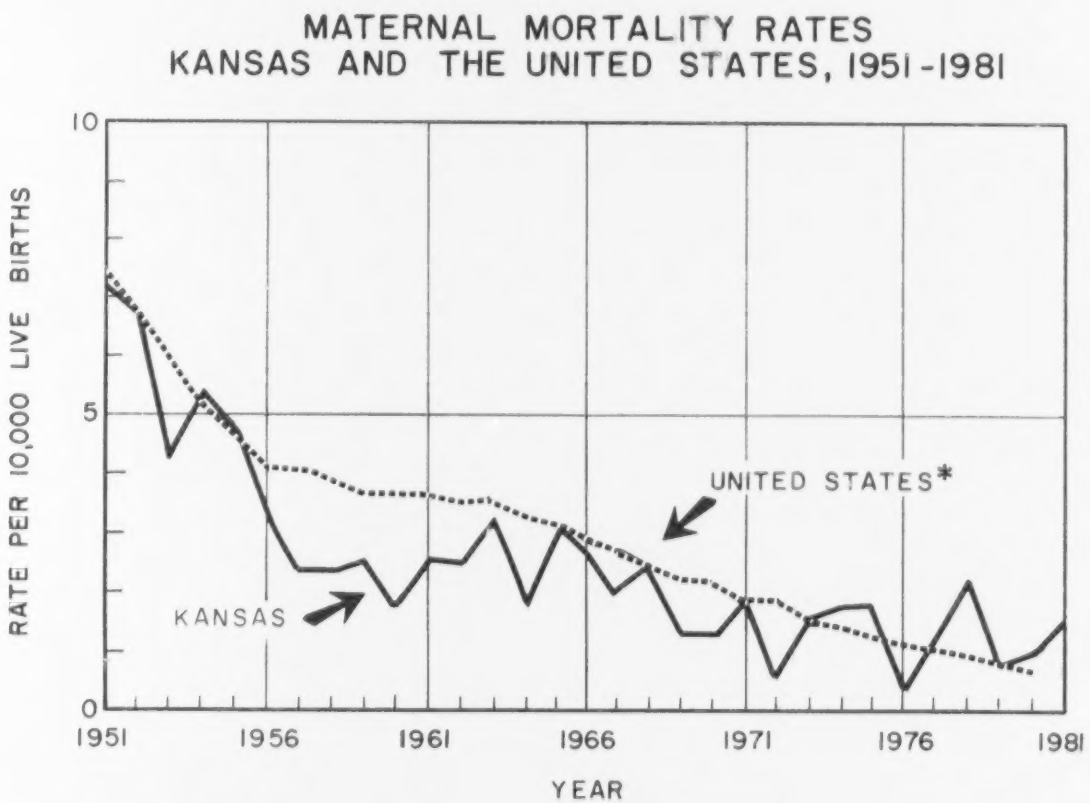
**Hebdomadal Deaths
***Neonatal Deaths

Residence data.

MATERNAL DEATHS

Maternal deaths are those attributable to complications of pregnancy, childbirth or the puerperium, based on the certified cause of death listed on the death certificate.

During 1981, 6 maternal deaths occurred to Kansas residents. Maternal mortality rates, expressed as the number of maternal deaths per ten thousand live births, for Kansas and the nation declined considerably between 1951 and 1981 as illustrated in Figure 13. While the U.S. rate showed a steady decline, the descent of Kansas' rate was somewhat more erratic. Overall, the rate of maternal deaths in Kansas was generally below that of the United States during that period. The maternal death rate for Kansas in 1981 was 1.5, a 79.2 percent decrease from the 1951 maternal death rate of 7.2.



*1979 and 1980 maternal mortality rates represent provisional data from the National Center for Health Statistics. 1981 maternal mortality rates were not available at the time of publication.

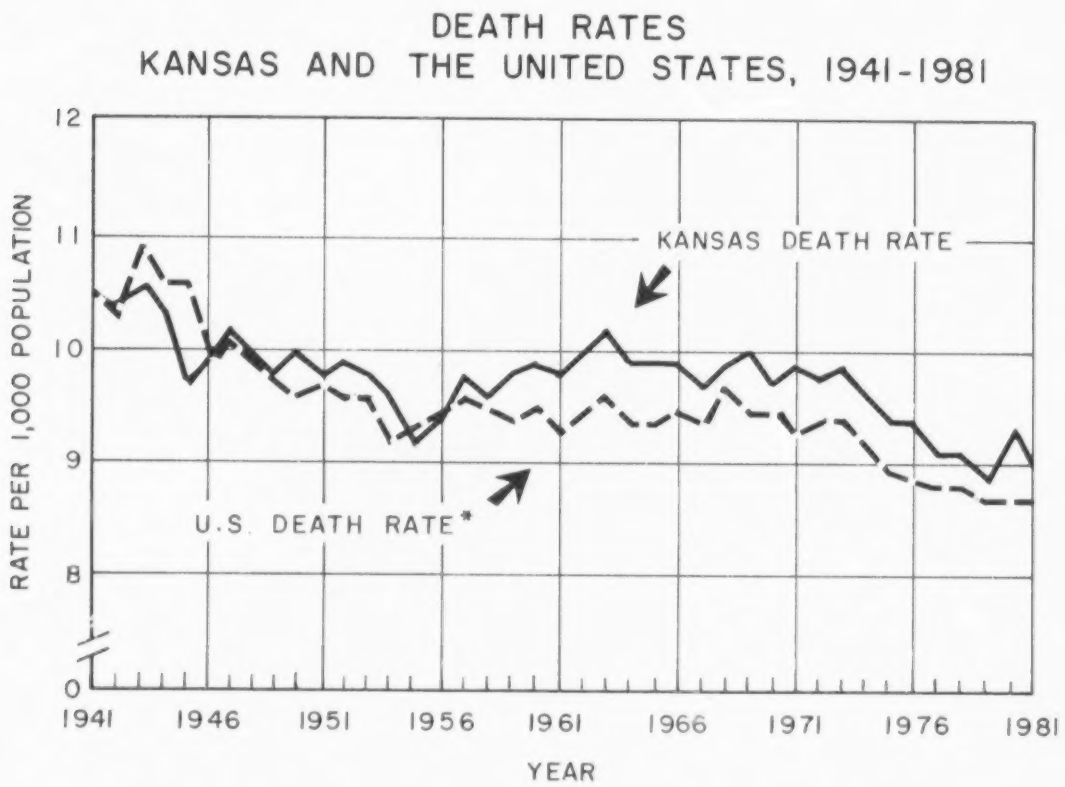
Residence data.

Figure 13

GENERAL MORTALITY

DEATHS

A total of 21,579 resident deaths were recorded during 1981, representing a 1.5 percent decrease from the 21,910 deaths recorded in 1980. The death rate for Kansas in 1981 was 9.0 per thousand population. As illustrated in Figure 14, the Kansas death rate has remained relatively stable between the years 1941 and 1981, not rising above 10.6 (1943) nor falling below 8.9 (1979).

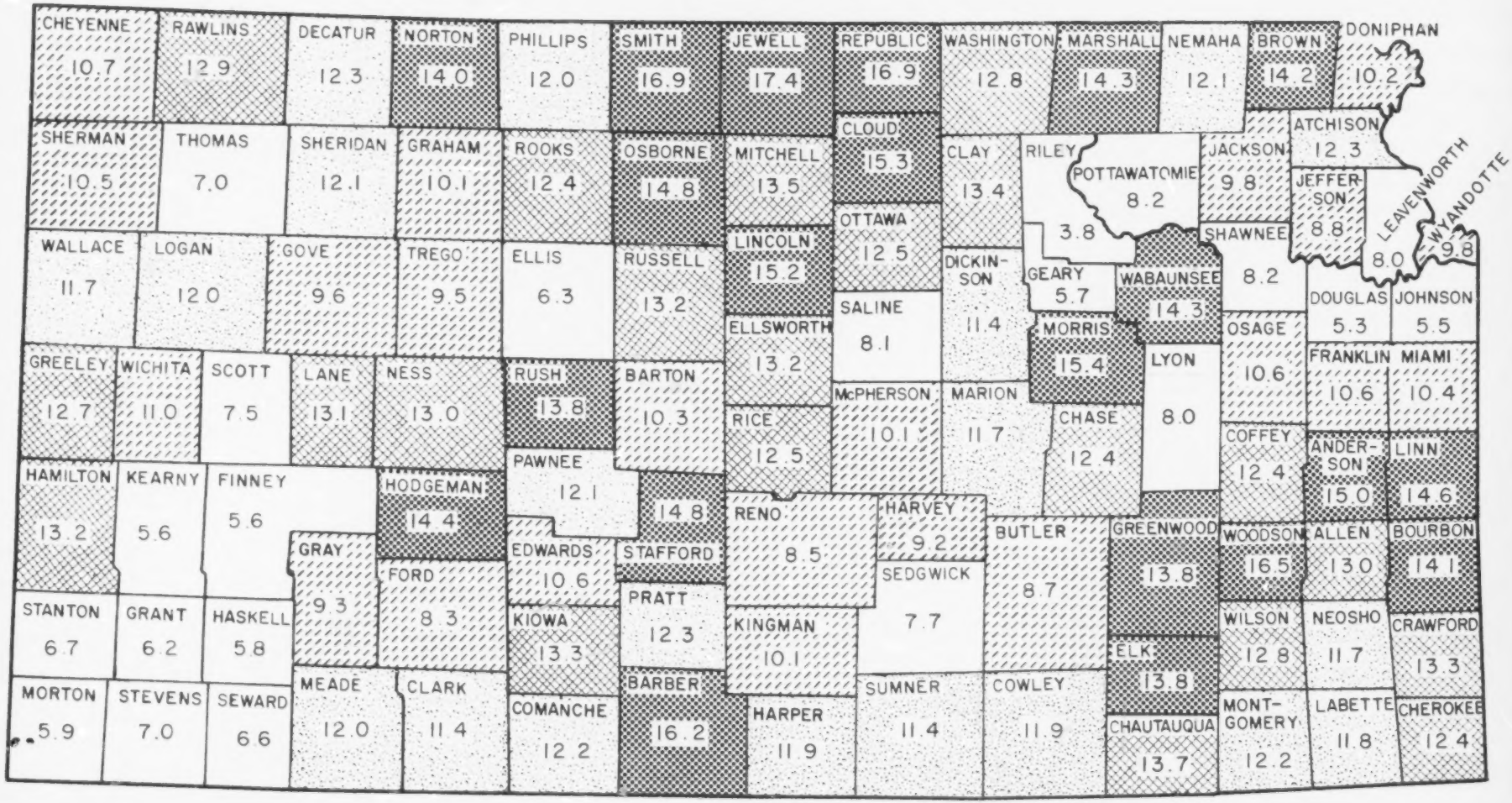


*1981 and 1980 United States death rates represent provisional data from the National Center for Health Statistics. Residence data.

Figure 14

The Kansas death rate in 1981 was 3.4 percent higher than the estimated national death rate of 8.7. During the 1961-1981 period the Kansas rate was, on the average, 4.5 percent higher than the national rate. It should be noted however, that the age distribution of the population has a significant bearing on the level of the crude death rate, and the percentage of the population 65 years and older is higher in Kansas than for the nation as a whole. On this basis, plus the observed higher than average life expectancy of Kansas residents, it may be assumed that the death rate in Kansas compares favorably with the national rate. See Table 24 for age-adjusted death rates in Kansas and the United States for the three-year period, 1979-1981.

DEATH RATES BY COUNTY OF RESIDENCE
KANSAS, 1981



DEATHS PER 1,000 POPULATION

3.8 8.3 11.4 12.4 13.8 17.4

STATE RATE: 9.0

Figure 15

BEST AVAILABLE COPY

Death rates by county of residence for 1981 are shown in Figure 15. Riley County had a low rate of 3.8 per 1,000 population, while Jewell County had a high of 17.4. The difference in age distribution of the county population, as well as chance fluctuations when relatively small numbers are involved, should be taken into account when making county level crude death rate comparisons. See Table 25 for age-adjusted death rates in Kansas counties for the three-year period, 1979-1981. (The number of deaths and respective rates for 1977-1981 on a county of residence basis are given in Appendix Table 35.)

Age, Race and Sex of Decedent

The average age at death of Kansas residents in 1981 was 70.6 years. As illustrated in Figure 16, 25 counties had an average age at death of 75 years or more. (The number of deaths by age group and average age at death by county of residence are given in Appendix Table 36.)

Ninety-five (94.9) percent of the Kansas decedents in 1981 were White, 4.6 percent were Black and less than one percent were of other races. The average age at death for the White population was 71.1, approximately ten years older than that of the Black population, whose average age at death was 60.9. Excepting the 1-4 age group and the two oldest age groups, male deaths exceeded female deaths by a considerable margin. The distribution of 1981 Kansas resident deaths by age group, race, sex and average age at death is presented in Table 7.

Leading Causes of Death

The Bureau of Registration and Health Statistics has been utilizing the Automated Classification of Medical Entities (ACME) System on death certificates since January of 1980. This software system, developed by the National Center for Health Statistics (NCHS), determines the underlying (or principal) cause of death using multiple cause of death coding in accordance with the Ninth Revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death published by NCHS. Thus, the coder no longer selects the underlying cause but assigns a code to all causes of death listed on the death certificate and then the underlying cause is determined through a computerized set of decision rules.

This discussion is not exhaustive of all causes of death of Kansas residents, rather it highlights the major causes in terms of magnitude of numbers of deaths from particular causes. Given in Table 8 are selected causes of death by age group of Kansas residents that died in 1981. (The number of deaths in Kansas from the twenty leading causes of death by county of residence are given in Appendix Table 37.)

The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 76.9 and 68.8, respectively. Atherosclerosis, with an average age at death of 85.5 years, had the highest average age at death of any of the leading causes of death.

Examining the ten leading causes of death for Kansas residents in 1981, Table 9 shows not only the number of deaths attributable to each cause but also the disease-specific death rates and average age at death for males and females. (Appendix Table 38 enumerates disease-specific death rates of the ten leading causes of death by county of residence.) Table 10 provides comparisons of deaths for Kansas and the United States for selected leading causes by number and rate for 1981.

AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE, KANSAS, 1981

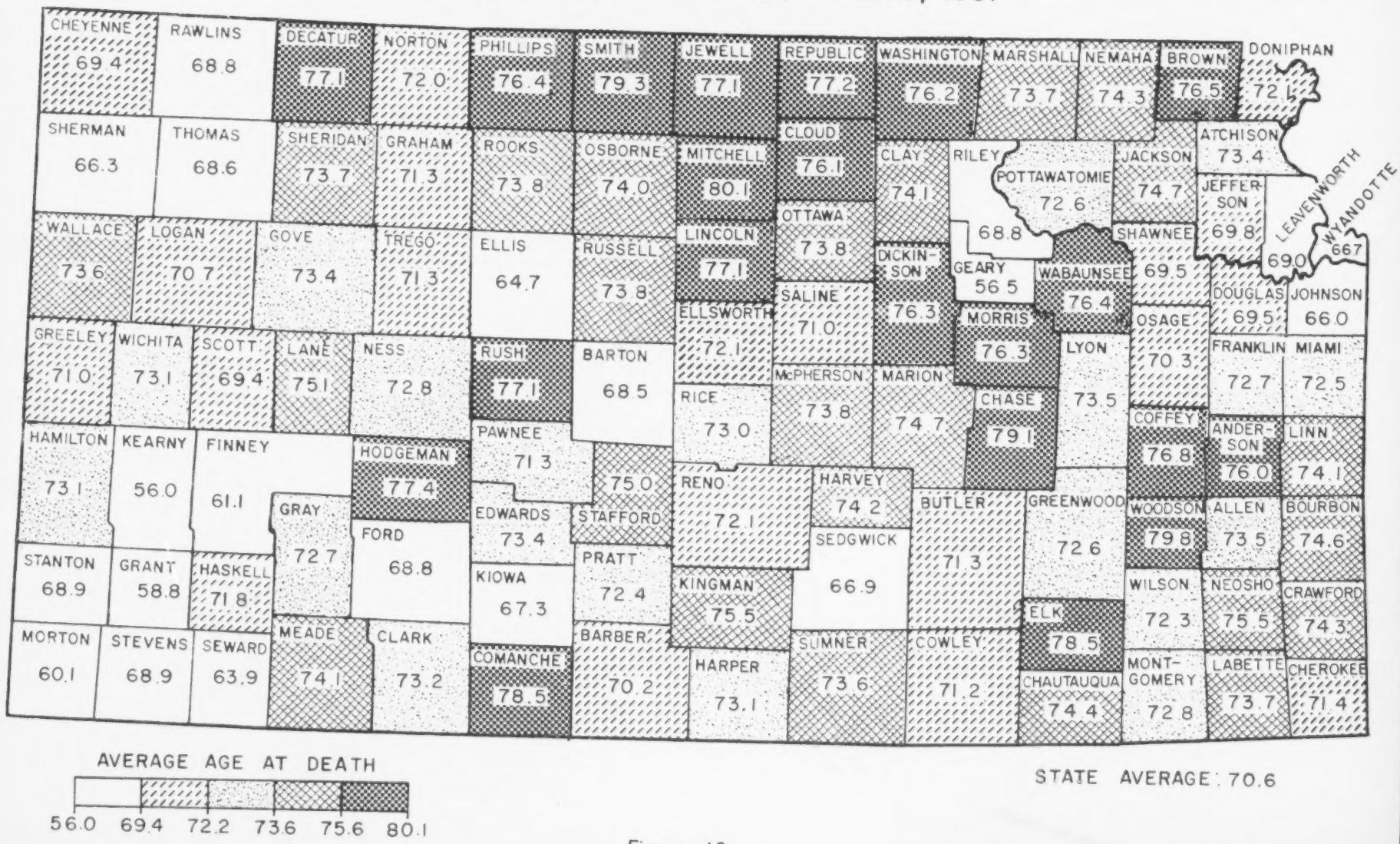


Figure 16

BEST AVAILABLE COPY

Table 7
Deaths by Race and Sex, by Age Group and Average Age at Death
Kansas, 1981

Race and Sex	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
Deaths-All Races.....	21,579	452	96	94	476	471	474	1,065	2,642	4,488	6,079	5,240	2	70.6
Male.....	11,359	261	45	55	376	337	296	666	1,667	2,715	3,053	1,887	1	67.2
Female.....	10,220	191	51	39	100	134	178	399	975	1,773	3,026	3,353	1	74.3
White.....	20,481	374	82	83	436	402	420	988	2,504	4,285	5,840	5,065	2	71.1
Male.....	10,775	214	39	50	345	291	263	619	1,585	2,617	2,938	1,813	1	67.8
Female.....	9,706	160	43	33	91	111	157	369	919	1,668	2,902	3,252	1	74.9
Black.....	1,003	67	10	8	36	62	48	73	128	188	217	166	-	60.9
Male.....	532	39	3	4	28	41	30	46	74	91	108	68	-	57.6
Female.....	471	28	7	4	8	21	18	27	54	97	109	98	-	64.6
Indian.....	48	3	2	1	1	2	4	2	6	11	11	5	-	*
Male.....	30	3	2	1	1	2	2	-	6	6	3	4	-	*
Female.....	18	-	-	-	-	-	2	2	-	5	8	1	-	*
Other.....	41	7	2	2	3	4	2	2	3	3	9	4	-	*
Male.....	20	5	1	-	2	3	1	1	1	1	3	2	-	*
Female.....	21	2	1	2	1	1	1	1	2	2	6	2	-	*
Unknown.....	6	1	-	-	-	1	-	-	1	1	2	-	-	*
Male.....	2	-	-	-	-	-	-	-	1	-	1	-	-	*
Female.....	4	1	-	-	-	1	-	-	-	1	1	-	-	*

Residence data.

Table 8
Selected Causes of Death by Age Group
And Average Age at Death
Kansas, 1981

Selected Causes of Death (ICD Code)	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
All Causes.....	21,579	452	96	94	476	471	474	1,065	2,642	4,488	6,079	5,240	2	70.6
Selected Causes.....	18,313	137	73	86	432	417	403	928	2,311	3,810	5,187	4,527	2	n/a
Tuberculosis (010-018).....	13	-	-	-	-	-	-	1	1	3	2	6	-	*
Malignant Neoplasms (140-208).....	4,274	1	6	24	23	43	101	358	895	1,255	1,090	476	2	68.8
Diabetes Mellitus (250).....	389	-	-	2	2	4	6	22	57	108	108	80	-	72.5
Hypertension (401, 403).....	67	-	-	-	-	1	-	3	8	11	22	22	-	76.4
Heart Disease (390-398, 402, 404-429).....	8,140	3	3	1	7	21	88	303	893	1,706	2,618	2,497	-	76.9
Cerebrovascular Disease (430-438).....	1,878	1	1	1	3	9	17	36	110	324	709	667	-	79.1
Atherosclerosis (440).....	413	-	-	-	-	-	-	-	9	31	122	251	-	85.5
Pneumonia and Influenza (480-487).....	655	9	3	-	5	6	5	10	35	93	199	290	-	79.1
Emphysema (492).....	138	-	-	-	-	-	1	5	23	54	40	15	-	71.8
Ulcer of Stomach and Duodenum (531-533).....	82	-	-	-	-	1	1	1	9	21	26	23	-	75.6
Chronic Liver Disease and Cirrhosis (571).....	208	-	1	-	-	6	13	36	81	42	26	3	-	60.0
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	216	1	-	1	1	-	2	4	17	35	85	70	-	78.0
Congenital Anomalies (740-759).....	165	104	12	6	10	10	1	6	2	4	8	2	-	13.0
Accidents (E800-E949).....	1,243	16	44	48	291	188	115	90	128	94	110	119	-	43.6
Suicide (E950-E959).....	271	-	-	1	51	70	33	34	33	24	19	6	-	43.4
Homicide (E960-E969).....	161	2	3	2	39	58	20	19	10	5	3	-	-	33.1

Residence data.

Table 9
Ten Leading Causes of Death by Sex
By Number, Rate and Average Age at Death
Kansas, 1981

Leading Causes of Death (ICD Code)	Number of Deaths			Disease-Specific Death Rate			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes (000-E999).....	21,579	11,359	10,220	903.2	972.3	837.1	70.6	67.2	74.4
Heart Disease (390-398, 402, 404-429).....	8,140	4,153	3,987	340.7	355.5	326.6	76.9	73.5	80.4
Malignant Neoplasms (140-208).....	4,274	2,311	1,963	178.9	197.8	160.8	68.8	68.7	68.9
Cerebrovascular Disease (430-438).....	1,878	752	1,126	78.6	64.4	92.2	79.1	76.9	80.6
Accidents (E800-E949).....	1,243	866	377	52.0	74.1	30.9	43.6	39.8	52.2
Pneumonia and Influenza (480-487).....	655	296	359	27.4	25.3	29.4	79.1	76.3	81.5
Atherosclerosis (440).....	413	159	254	17.3	13.6	20.8	85.5	82.8	87.2
Diabetes Mellitus (250).....	389	179	210	16.3	15.3	17.2	72.5	70.0	74.7
Suicide (E950-E959).....	271	208	63	11.3	17.8	5.2	43.4	43.0	44.9
Certain Conditions Originating in the Perinatal Period (760-779).....	227	132	95	9.5	11.3	7.8	0.6	0.5	0.8
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	216	98	118	9.0	8.4	9.7	78.0	77.0	78.9

Note: Rates are based on an estimated distribution of population of 48.9 percent male and 51.1 percent female. This distribution is based upon the "1980 Census of Population and Housing" by the United States Bureau of the Census.

Residence data.

Table 10
Selected Leading Causes of Death by Number and Rate
Kansas and the United States, 1981

Cause of Death (ICD Code)	Kansas		United States** (Estimates)	
	Number	Rate	Number	Rate
All Causes.....	21,579	903.2	196,590	866.4
Heart Disease (390-398, 402, 404-429).....	8,140	340.7	74,771	329.5
Malignant Neoplasms (140-208).....	4,274	178.9	41,820	184.3
Cerebrovascular Disease (430-438).....	1,878	78.6	16,158	71.2
Accidents (E800-E949).....	1,243	52.0	9,911	43.7
Pneumonia and Influenza (480-487).....	655	27.4	5,372	23.7
Atherosclerosis (440).....	413	17.3	2,841	12.5
Diabetes Mellitus (250).....	389	16.3	3,423	15.1
Suicide (E950-E959).....	271	11.3	2,601	11.5
Certain Conditions Originating in the Perinatal Period (760-779).....	227	9.5	2,116	9.3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	216	9.0	1,730	7.6
Chronic Liver Disease and Cirrhosis (571).....	208	8.7	2,910	12.8
Congenital Anomalies (740-759).....	165	6.9	1,324	5.8
Emphysema (492).....	138	5.8	1,341	5.9
Ulcer of Stomach and Duodenum (531-533).....	82	3.4	684	3.0
Hypertension (401, 403).....	67	2.8	775	3.4

**United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.

Residence data.

Four Leading Causes: Depicted in Figure 17 are the year by year death rate trends of the four leading causes of death from 1941-1981. The rate of heart disease, the number one cause of death in Kansas, rose considerably from 1941 to 1960. After stabilizing somewhat for the next ten years, the heart disease death rate gradually declined to 340.7 in 1981. The 1981 Kansas rate was 3.4 percent higher than the estimated United States rate of 329.5. The heart disease rate among Kansas men was 355.5 per 100,000 population in 1981 compared to 326.6 among the female population. The male victims of fatal heart disease averaged more than six years younger than female victims.

Cancer was the second-leading cause of death in Kansas in 1981, rising from 129.4 deaths per 100,000 population in 1941 to 178.9 in 1981. The Kansas rate was 2.9 percent lower than the estimated United States rate of 184.3 per 100,000 population. The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 197.8 for males and 160.8 for females.

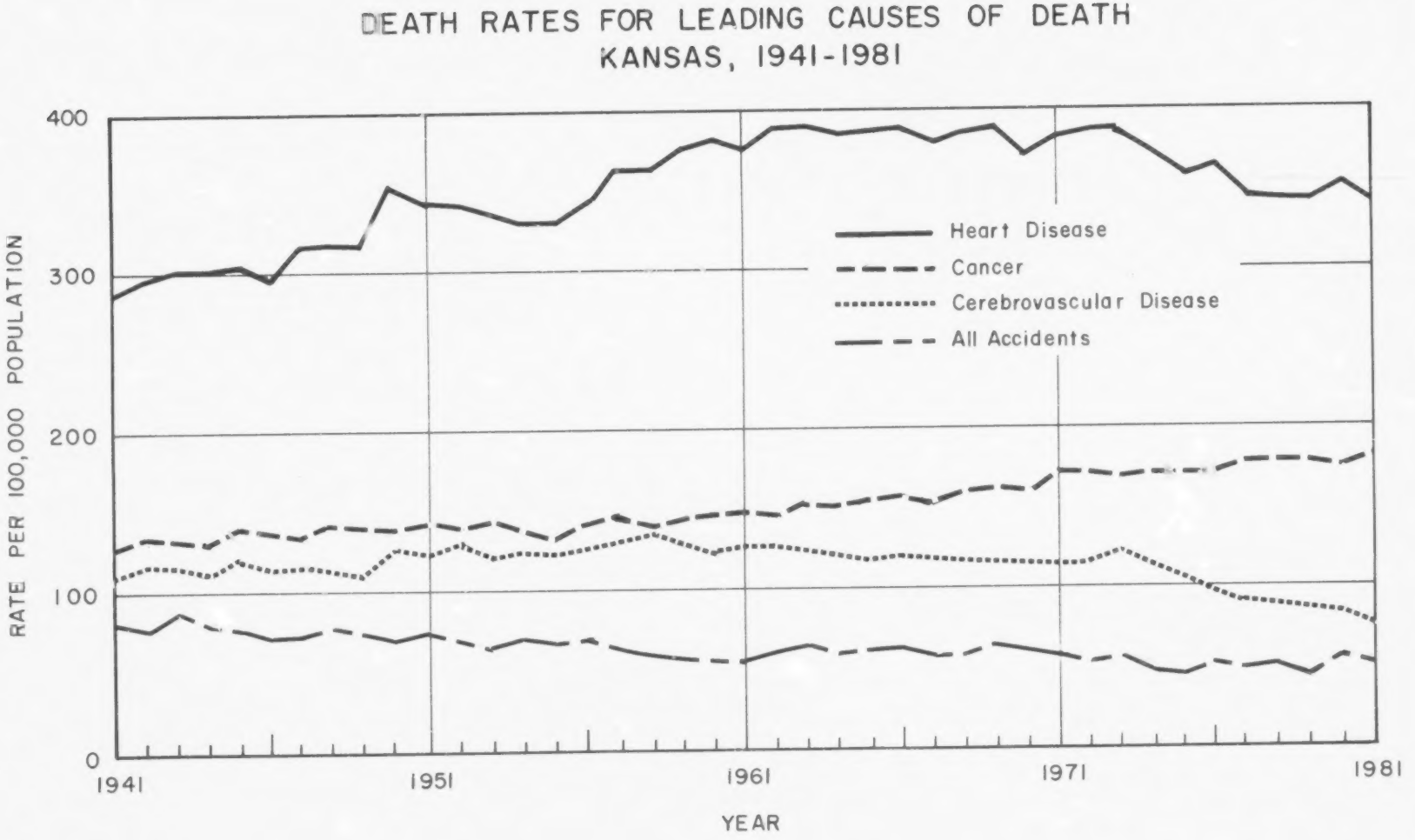
Kansas death rates for cerebrovascular disease, the number three cause of death in 1981, remained between 107.3 and 137.0 from 1941 to 1975. However, the rate dropped to 95.7 in 1976 and 78.6 in 1981. The Kansas rate was 10.4 percent higher than the estimated United States rate of 71.2. Comparing the number of male and female victims in 1981, 60.0 percent were females, and the sex-specific rate was 92.2 for females and 64.4 for males.

Accidental deaths accounted for 5.8 percent of all deaths in Kansas in 1981, making it the fourth-leading cause during that year. The death rate from accidents declined from 81.2 in 1941 to 52.0 in 1981. The Kansas accidental death rate was 19.0 percent higher than the estimated United States rate of 43.7.

Leading Causes by Age Group: Variations in the most prevalent causes of death by selected age groups are presented in Figure 18. The leading causes of death for each age group are listed in order of magnitude. It is thus noted that in 1981, accidents were the most frequent cause of death for victims between 1 and 44 years of age. Heart disease was more commonly fatal to those persons over 44 years old. Cancer and cerebrovascular disease also claimed more victims of older age groups than of younger. Suicide and homicide had the greatest impact upon persons of the 15-24 and 25-44 categories. Influenza and pneumonia was one of the five leading causes of death of persons 1-4 and over 64 years of age.

Heart Disease: The number one cause of death in Kansas, heart disease, claimed 8,140 lives in 1981 and accounted for 37.7 percent of all deaths during the year.

The classifications which constitute heart disease, the number of deaths attributable to each and the respective sex and age group distributions are presented in Table 11.

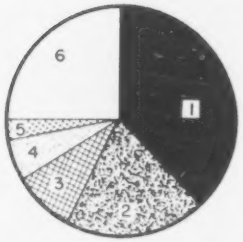


Residence data.

Figure 17

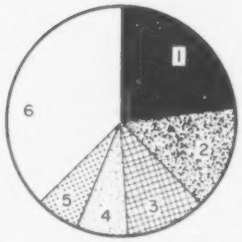
LEADING CAUSES OF DEATH BY AGE GROUP
KANSAS, 1981

ALL AGES



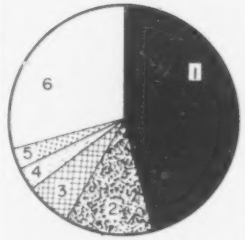
Cause of Death	Number of Deaths
1. Heart Disease	8,140
2. Cancer	4,274
3. Cerebrovascular Disease	1,878
4. Accidents	1,243
5. Pneumonia and Influenza	655
6. Other Causes	5,389
Total Deaths[1]	21,579

UNDER 1 YEAR



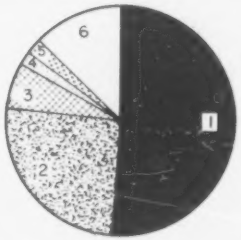
Cause of Death	Number of Deaths
1. Congenital Anomalies	104
2. Respiratory Distress Syndrome and Other Respiratory Conditions	66
3. Sudden Infant Death	50
4. Immaturity	34
5. Hypoxia and Birth Anoxia	28
6. Other Causes	170
Total Deaths	452

1-4 YEARS



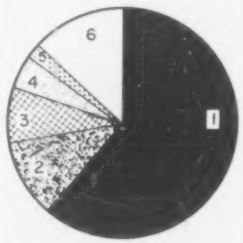
Cause of Death	Number of Deaths
1. Accidents	44
2. Congenital Anomalies	12
3. Cancer	6
4. Pneumonia and Influenza	3
5. Meningitis	3
6. Other Causes	28
Total Deaths	96

5-14 YEARS



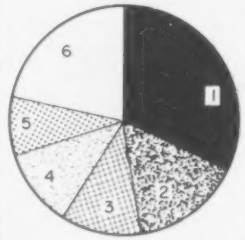
Cause of Death	Number of Deaths
1. Accidents	48
2. Cancer	24
3. Congenital Anomalies	6
4. Homicide	2
5. Diabetes Mellitus	2
6. Other Causes	12
Total Deaths	94

15-24 YEARS



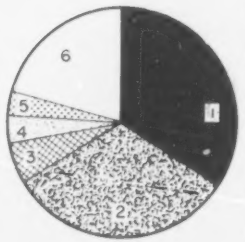
Cause of Death	Number of Deaths
1. Accidents	291
2. Suicide	51
3. Homicide	39
4. Cancer	23
5. Congenital Anomalies	10
6. Other Causes	62
Total Deaths	476

25-44 YEARS



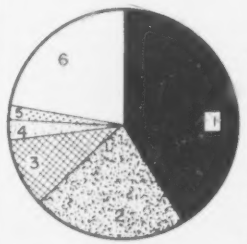
Cause of Death	Number of Deaths
1. Accidents	303
2. Cancer	144
3. Heart Disease	109
4. Suicide	103
5. Homicide	78
6. Other Causes	208
Total Deaths	945

45-64 YEARS



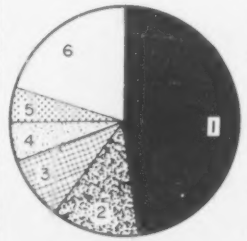
Cause of Death	Number of Deaths
1. Cancer	1,253
2. Heart Disease	1,196
3. Accidents	218
4. Cerebrovascular Disease	146
5. Chronic Liver Disease and Cirrhosis	127
6. Other Causes	767
Total Deaths	3,707

65-84 YEARS



Cause of Death	Number of Deaths
1. Heart Disease	4,324
2. Cancer	2,345
3. Cerebrovascular Disease	1,033
4. Pneumonia and Influenza	292
5. Diabetes Mellitus	216
6. Other Causes	2,357
Total Deaths	10,567

85 YEARS AND OVER



Cause of Death	Number of Deaths
1. Heart Disease	2,497
2. Cerebrovascular Disease	667
3. Cancer	476
4. Pneumonia and Influenza	290
5. Atherosclerosis	251
6. Other Causes	1,059
Total Deaths	5,240

[1] Two deaths by age group of decedent unknown Residence data

Figure 18

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Table 11
Heart Disease Deaths by Age Group and Sex
Kansas, 1981

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Diseases of the Heart (390-398, 402, 404-429).....	8,140	3	3	1	7	21	88	303	893	1,706	2,618	2,497
Male.....	4,153	1	2	-	3	9	70	234	654	1,048	1,291	841
Female.....	3,987	2	1	1	4	12	18	69	239	658	1,327	1,656
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (390-398).....	69	-	-	-	-	2	1	3	17	15	21	10
Male.....	21	-	-	-	-	-	-	1	9	2	6	3
Female.....	48	-	-	-	-	2	1	2	8	13	15	7
Hypertensive Heart Disease with or without Renal Disease (402, 404).....	211	-	-	-	-	-	1	2	16	47	72	73
Male.....	77	-	-	-	-	-	1	2	10	20	23	21
Female.....	134	-	-	-	-	-	-	-	6	27	49	52
Ischemic Heart Disease (410-414).....	6,184	-	-	-	2	6	65	249	708	1,363	2,007	1,784
Male.....	3,295	-	-	-	2	4	56	207	543	864	1,017	602
Female.....	2,889	-	-	-	-	2	9	42	165	499	990	1,182
Disease of Pulmonary Circulation (415-417).....	148	-	1	-	2	6	4	9	19	36	42	29
Male.....	73	-	1	-	-	1	1	3	9	25	18	15
Female.....	75	-	-	-	2	5	3	6	10	11	24	14
All Other Forms of Heart Disease (420-429).....	1,528	3	2	1	3	7	17	40	133	245	476	601
Male.....	687	1	1	-	1	4	12	21	83	137	227	200
Female.....	841	2	1	1	2	3	5	19	50	108	249	401

Residence data.

The most prevalent type of heart disease was ischemic heart disease which claimed 76.0 percent of all heart disease victims. In general, ischemic heart disease refers to an obstruction of the flow of blood from the arteries to the heart and resultant reduction of blood supply to the heart. Two forms, acute myocardial infarction and other forms of chronic ischemic heart disease, accounted for nearly all ischemic heart disease deaths, 3,426 and 2,719, respectively. Ischemic heart disease was most commonly fatal to persons over 64 years of age, especially those between 75 and 84. Fifty-one percent of the total heart disease victims were males and 49.0 percent were females, but the sex distributions by age group showed wide variations. For the age groups between 35 and 74, 67.1 percent of the victims were males while for the age group 75 years and over, only 41.7 percent were males.

Cancer: The 4,274 deaths in 1981 which were caused by cancer, or malignant neoplasms, contributed 19.8 percent of the total number of deaths and represented the second most prevalent cause of death in the State. Almost thirty (29.4) percent of the victims were between 65 and 74 years of age and the sex distribution was 54.1 percent males and 45.9 percent females. As depicted in Table 12, malignant neoplasms of the digestive organs and peritoneum accounted for over one-fourth (1,116) of all cancer victims. Cancer of the respiratory and intrathoracic organs claimed 1,096 victims, 72.0 percent of which were men.

Cerebrovascular Disease: Cerebrovascular deaths claimed 1,878 lives in 1981, making cerebrovascular deaths the third leading cause of death for the year (Table 13). The average age at death of persons dying from cerebrovascular diseases was 79.1 years in 1981. One form, acute but ill-defined causes, accounted for over fifty-five (56.5) percent of all cerebrovascular deaths. Other categories of the disease include occlusion of cerebral arteries and transient cerebral ischemia, which caused 338 deaths; and subarachnoid and intracerebral hemorrhage and other and unspecified intracranial hemorrhage which accounted for 242. Overall the sex distribution of the victims was 40.0 percent males and 60.0 percent females.

Selected Chronic Diseases: The seven chronic diseases listed in Table 14 represented 1,513, or 7.0 percent of all deaths during 1981. Most victims of fatal chronic diseases were in the older age group; 59.0 percent were persons 75 years or older.

Atherosclerosis claimed 413 of the "selected chronic disease" victims. Diabetes mellitus, another of the most prevalent chronic diseases claimed 389 lives. Chronic liver disease and cirrhosis, and emphysema, two diseases commonly linked with alcohol and smoking habits, were more often fatal to men than to women. Almost three-fourths (72.8 percent) of the victims of these two diseases were males and 27.2 percent were females.

Accidental Deaths: Deaths attributable to accidents in 1981 totaled 1,243, 5.8 percent of all deaths, making accidents the fourth-leading cause of death for the year. Types of accidents are outlined in Table 15 with the number of male and female victims and age groups.

Table 12
Malignant Neoplasm Deaths
By Site of Lesion, Age Group and Sex
Kansas, 1981

Site of Lesion and Sex (ICD Code)	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Maligant Neoplasms (All Sites) (140-208)	4,274	1	6	24	23	43	101	358	895	1,255	1,090	476	2
Male	2,311	-	4	11	18	22	34	187	483	752	566	233	1
Female	1,963	1	2	13	5	21	67	171	412	503	524	243	1
Lip, Oral Cavity and Pharynx (140-149)	89	-	-	-	-	-	-	16	28	32	8	5	-
Male	69	-	-	-	-	-	-	15	16	29	6	3	-
Female	20	-	-	-	-	-	-	1	12	3	2	2	-
Digestive Organs and Peritoneum (150-159)	1,116	-	-	1	-	8	25	59	194	316	345	168	-
Male	563	-	-	-	-	5	11	32	115	176	164	60	-
Female	553	-	-	1	-	3	14	27	79	140	181	108	-
Respiratory and Intrathoracic Organs (160-165)	1,096	1	-	-	-	-	26	132	293	375	216	53	-
Male	789	-	-	-	-	-	10	94	198	293	153	41	-
Female	307	1	-	-	-	-	16	38	95	82	63	12	-
Breast (174-175)	363	-	-	-	-	7	18	50	84	92	75	36	1
Male	2	-	-	-	-	-	-	-	1	-	1	-	-
Female	361	-	-	-	-	7	18	50	83	92	74	36	1
Genital Organs (179-187)	547	-	-	-	5	6	11	24	79	152	181	89	-
Male	281	-	-	-	3	1	-	1	17	86	109	64	-
Female	266	-	-	-	2	5	11	23	62	66	72	25	-
Urinary Organs (188-189)	205	-	-	1	1	-	2	12	42	61	57	29	-
Male	135	-	-	-	-	-	2	9	26	41	38	19	-
Female	70	-	-	1	1	-	-	3	16	20	19	10	-
Other and Unspecified Sites (170-173, 190-199)	428	-	4	11	9	12	12	34	98	116	96	35	1
Male	245	-	3	5	8	8	7	21	63	70	43	16	1
Female	183	-	1	6	1	4	5	13	35	46	53	19	-
Leukemia (204-208)	180	-	2	9	4	6	3	10	28	44	46	28	-
Male	97	-	1	5	3	4	1	6	19	22	23	13	-
Female	83	-	1	4	1	2	2	4	9	22	23	15	-
Other Lymphatic and Hematopoietic Tissue (200-203)	250	-	-	2	4	4	4	21	49	67	66	33	-
Male	130	-	-	1	4	4	3	9	28	35	29	17	-
Female	120	-	-	1	-	-	1	12	21	32	37	16	-

Residence data.

Table 13
Cerebrovascular Disease Deaths by Age Group and Sex
Kansas, 1981

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438)	1,878	1	1	1	3	9	17	36	110	324	709	667
Male	752	1	-	1	1	5	11	15	45	175	298	200
Female	1,126	-	1	-	2	4	6	21	65	149	411	467
Subarachnoid and Intracerebral Hemorrhage and Other and Unspecified Intracranial Hemorrhage (430-432)	242	1	-	1	3	7	13	17	32	48	81	39
Male	98	1	-	1	1	3	10	7	10	23	30	12
Female	144	-	-	-	2	4	3	10	22	25	51	27
Occlusion and Stenosis of Precerebral Arteries (433)	25	-	-	-	-	-	-	-	2	12	8	3
Male	14	-	-	-	-	-	-	-	1	8	5	-
Female	11	-	-	-	-	-	-	-	1	4	3	3
Occlusion of Cerebral Arteries and Transient Cerebral Ischemia (434-435)	338	-	-	-	-	-	1	5	15	60	135	122
Male	136	-	-	-	-	-	-	1	9	31	66	29
Female	202	-	-	-	-	-	1	4	6	29	69	93
Acute but Ill-defined Cerebrovascular Disease (436)	1,062	-	-	-	-	1	3	12	55	181	405	405
Male	433	-	-	-	-	1	1	6	21	102	165	137
Female	629	-	-	-	-	-	2	6	34	79	240	268
Other and Ill-defined Cerebrovascular Disease (437)	176	-	1	-	-	1	-	2	4	14	67	87
Male	58	-	-	-	-	1	-	1	3	6	27	20
Female	118	-	1	-	-	-	-	1	1	8	40	67
Late Effects of Cerebrovascular Disease (438)	35	-	-	-	-	-	-	-	2	9	13	11
Male	13	-	-	-	-	-	-	-	1	5	5	2
Female	22	-	-	-	-	-	-	-	1	4	8	9

Residence data.

Table 14
Selected Chronic Disease Deaths by Age Group and Sex
Kansas, 1981

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total.....	1,513	1	1	3	3	12	23	71	204	302	429	464
Male.....	753	-	1	2	-	6	17	50	133	169	208	167
Female.....	760	1	-	1	3	6	6	21	71	133	221	297
Diabetes Mellitus (250).....	389	-	-	2	2	4	6	22	57	108	108	80
Male.....	179	-	-	1	-	2	5	18	33	46	44	30
Female.....	210	-	-	1	2	2	1	4	24	62	64	50
Hypertension without mention of Heart Disease (401, 403).....	67	-	-	-	-	1	-	3	8	11	22	22
Male.....	29	-	-	-	-	-	-	2	5	6	7	9
Female.....	38	-	-	-	-	1	-	1	3	5	15	13
Atherosclerosis (440).....	413	-	-	-	-	-	-	-	9	31	122	251
Male.....	159	-	-	-	-	-	-	-	7	17	57	78
Female.....	254	-	-	-	-	-	-	-	2	14	65	173
Emphysema (492).....	138	-	-	-	-	-	1	5	23	54	40	15
Male.....	113	-	-	-	-	-	1	4	17	45	34	12
Female.....	25	-	-	-	-	-	-	1	6	9	6	3
Ulcer of Stomach and Duodenum (531-533).....	82	-	-	-	-	1	1	1	9	21	26	23
Male.....	36	-	-	-	-	-	1	-	6	11	11	7
Female.....	46	-	-	-	-	1	-	1	3	10	15	16
Chronic Liver Disease and Cirrhosis (571).....	208	-	1	-	-	6	13	36	81	42	26	3
Male.....	139	-	1	-	-	4	8	25	56	24	18	3
Female.....	69	-	-	-	-	2	5	11	25	18	8	-
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	216	1	-	1	1	-	2	4	17	35	85	70
Male.....	98	-	-	1	-	-	2	1	9	20	37	28
Female.....	118	1	-	-	1	-	-	3	8	15	48	42

Residence data.

Table 15
Accidental Deaths by Age Group and Sex
Kansas, 1981

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949).....	1,243	16	44	48	291	188	115	90	128	94	110	119
Male.....	866	10	24	32	243	153	88	56	91	58	54	57
Female.....	377	6	20	16	48	35	27	34	37	36	56	62
All Motor-Vehicle Accidents (E810-E825).....	597	2	20	28	200	128	60	35	44	39	28	13
Male.....	445	1	10	18	167	108	44	24	28	23	15	7
Female.....	152	1	10	10	33	20	16	11	16	16	13	6
Water Transport Accidents (E830-E838).....	8	-	-	-	2	1	2	2	1	-	-	-
Male.....	6	-	-	-	2	1	2	1	-	-	-	-
Female.....	2	-	-	-	-	-	-	1	1	-	-	-
Air and Space Transport Accidents (E840-E845).....	17	1	-	-	5	2	5	2	2	-	-	-
Male.....	10	-	-	-	2	1	4	2	1	-	-	-
Female.....	7	1	-	-	3	1	1	-	1	-	-	-
Accidental Poisonings (E850-E869).....	42	-	-	-	8	10	9	7	2	2	3	1
Male.....	28	-	-	-	7	8	8	1	2	2	-	-
Female.....	14	-	-	-	1	2	1	6	-	-	3	1
Accidental Falls (E880-E888).....	156	3	1	-	10	1	2	4	13	10	38	74
Male.....	84	1	1	-	9	1	1	4	10	4	19	34
Female.....	72	2	-	-	1	-	1	-	3	6	19	40
Accidents Caused by Fires and Flames (E890-E899).....	62	3	7	6	9	6	6	1	6	8	4	6
Male.....	43	3	1	6	7	2	4	1	5	6	3	5
Female.....	19	-	6	-	2	4	2	-	1	2	1	1
Accidents Due to Natural and Environmental Factors (E900-E909).....	21	-	-	-	1	1	2	-	3	6	4	4
Male.....	14	-	-	-	1	1	2	-	3	4	2	1
Female.....	7	-	-	-	-	-	-	-	-	2	2	3
Accidental Drowning and Submersion (E910).....	61	2	6	5	20	11	7	4	1	1	4	-
Male.....	53	2	5	4	17	10	7	3	1	1	3	-
Female.....	8	-	1	1	3	1	-	1	-	-	1	-
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911).....	24	1	2	1	1	2	-	5	-	3	4	5
Male.....	12	-	2	-	1	1	-	2	-	1	3	2
Female.....	12	1	-	1	-	1	-	3	-	2	1	3

Table 15 (cont.)
Accidental Deaths by Age Group and Sex
Kansas, 1981

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Accidents Caused by Machinery (E919).....	22	-	-	-	3	4	-	2	7	3	3	-
Male.....	21	-	-	-	3	4	-	2	7	3	2	-
Female.....	1	-	-	-	-	-	-	-	-	-	1	-
Accident Caused by Electric Current (E925).....	21		2	2	4	4	3	1	5	-	-	-
Male.....	17	-	1	-	3	4	3	1	5	-	-	-
Female.....	4	-	1	2	1	-	-	-	-	-	-	-
Other Accidents (E800-E807, E826-E829, E846-E848, E870-E879, E912-E918, E920-E924, E926-E949).....	212	4	6	6	28	18	19	27	44	22	22	16
Male.....	133	3	4	4	24	12	13	15	29	14	7	8
Female.....	79	1	2	2	4	6	6	12	15	8	15	8

Residence data.

Comparing the number of male and female accident victims in 1981, over two-thirds, 69.7 percent, were males and they outnumbered females in all age groups except those 75 years of age and older. The average age at death for accident victims was 43.6 years. Furthermore, the average age of men dying from accidental causes was 39.8, over twelve years younger than that of female victims, whose average age was 52.2 years.

Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for nearly half (48.0 percent) of the total in 1981. Of the 597 motor-vehicle fatalities, 28.0 percent were to males in the 15-24 year age group.

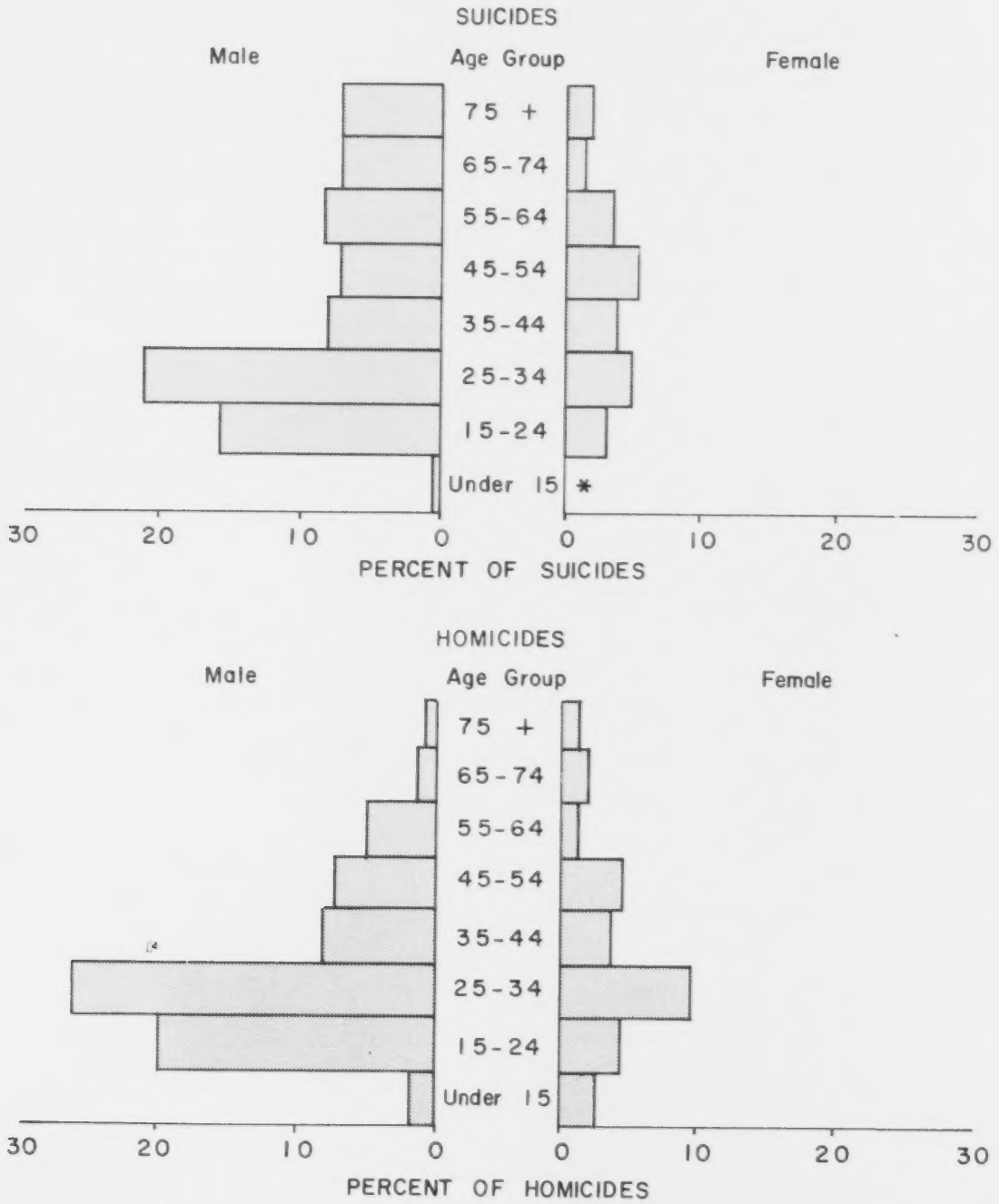
Accidental falls claimed 156 lives, which represented 12.6 percent of all accidental deaths in 1981. Over two-thirds (71.8 percent) of the victims were 75 years of age or older. Of the persons 75 years of age or older who died as a result of an accident 48.9 percent were fall victims.

Suicide and Homicide: Suicide and homicide ranked eighth and fourteenth, respectively, among the leading causes of death in 1981. The average age at death from suicidal causes was 43.4 years; that of homicide was 33.1, clearly emphasizing the early age of persons dying from these unnatural causes. The Kansas suicide rate was 11.3 in 1981, 1.7 percent lower than the estimated 1981 national rate of 11.5. The distribution of suicide and homicide deaths in Figure 19 compares the age group and sex of victims.

Over three-fourths (76.8 percent) of the 271 suicide victims in 1981 were males. Male victims between 25 to 34 years of age accounted for 21.0 percent of all suicide deaths while men between 15 to 24 ranked second with 15.9 percent. The most prevalent age group for female suicide victims was the 45-54 age group, which accounted for 5.2 percent of all suicide deaths. The average age of male suicide victims was 43.0, while the average age of female victims was 44.9 years.

Figure 19 also illustrates the predominance of male homicide victims over female victims; over two-thirds (70.8 percent) of the 161 homicide victims in 1981 were male. Twenty-six (26.1) percent of the homicide deaths were men in the 25 to 34 age group followed by 19.9 percent in the 15 to 24 age group. More female homicide victims were in the 25-34 age group than any other, accounting for 9.9 percent of all homicide deaths. The average age of male homicide victims in 1981 was 32.6 years; that of female victims was 36.0 years. The 1981 homicide and legal intervention rate for Kansas was 7.0, and was 31.4 percent lower than the estimated United States rate of 10.2.

SUICIDES AND HOMICIDES: PERCENT DISTRIBUTION BY AGE GROUP AND SEX KANSAS, 1981



Residence data.
*No suicide deaths occurred for females under 15.

Figure 19

Non-underlying Causes: The ten leading underlying causes of death are listed in Table 16, along with the number of times each of these specific underlying causes of death was mentioned as a non-underlying (contributing) cause of death. The same cause cannot appear both as an underlying and non-underlying cause; therefore, all of the diagonal cells of the table are blank. Each non-underlying cause is counted only once in the same column but the same death may be counted in more than one column.

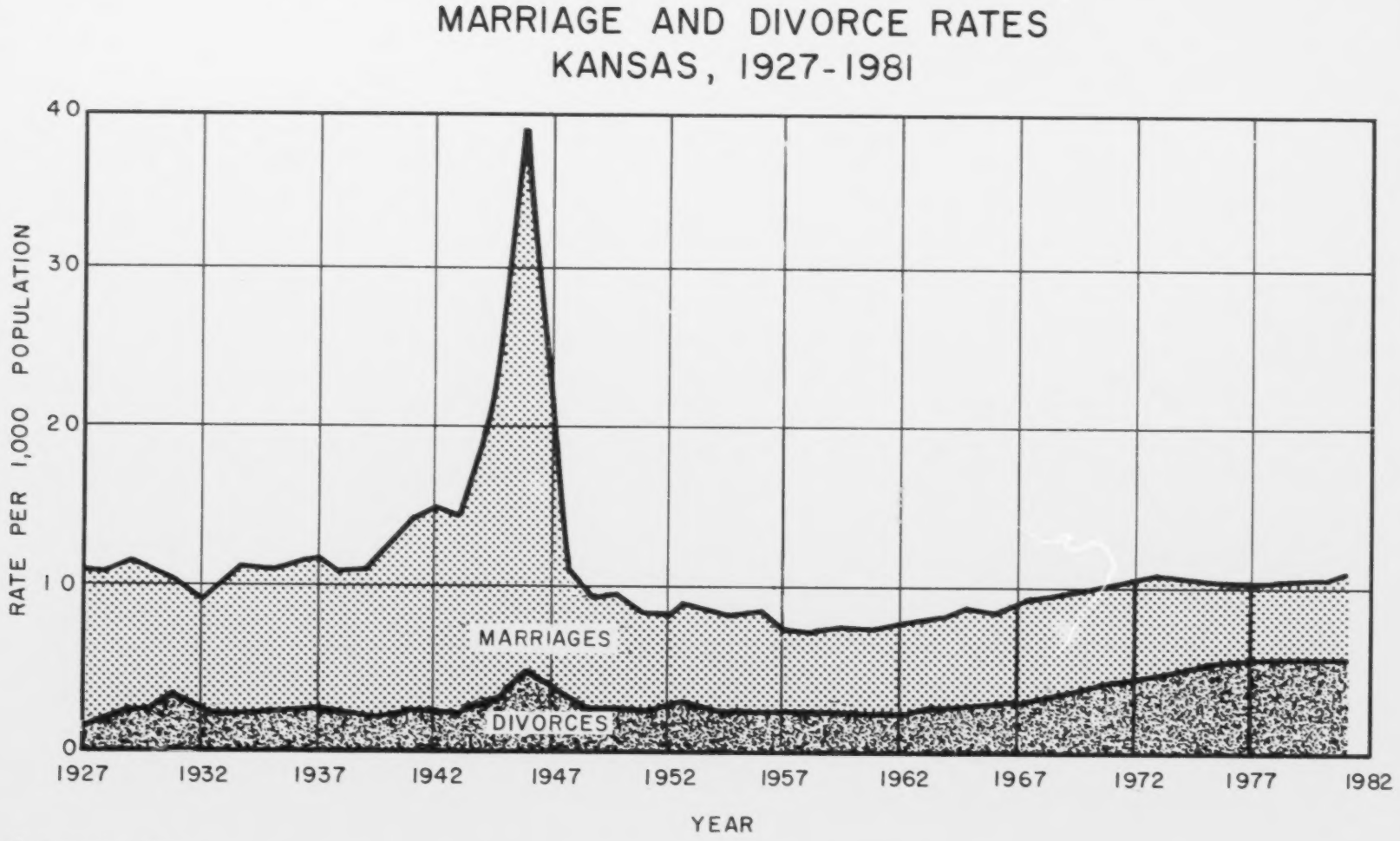
In Kansas, in 1981, heart disease accounted for a total of 8,140 underlying causes and 836, or 10.3 percent of these deaths listed atherosclerosis as a non-underlying cause. Cancer accounted for a total 4,274 underlying causes and 851, or 19.9 percent of these deaths listed heart disease as a non-underlying cause. Only 413 deaths were attributed to atherosclerosis in 1981; yet 1,517 of the leading underlying causes listed atherosclerosis as a contributing factor.

Table 16
Ten Leading Causes of Death*
Underlying Cause by Non-underlying Cause
Kansas, 1981

Leading Underlying Causes Of Death (ICD Code)	Total	Non-underlying Causes of Death**										
		Total	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Leading Causes.....	17,706	8,130	2,317	432	1,022	423	923	1,517	829	1	2	664
Heart Disease (390-398, 402, 404-429).....	8,140	3,268	-	285	734	220	354	836	541	-	1	297
Malignant Neoplasms (140-208).....	4,274	1,655	851	-	110	85	296	61	101	-	-	151
Cerebrovascular Disease (430-438).....	1,878	1,398	462	62	-	54	166	481	123	-	-	50
Accidents (E800-E949).....	1,243	266	175	13	22	-	20	17	6	-	-	13
Pneumonia and Influenza (480-487).....	655	447	235	30	54	24	-	45	25	-	-	34
Atherosclerosis (440).....	413	335	205	8	-	18	49	-	20	-	-	35
Diabetes Mellitus (250).....	389	546	262	18	85	14	22	63	-	1	-	81
Suicide (E950-E959).....	271	26	12	8	3	3	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (760-779).....	227	11	6	-	1	-	1	-	-	-	-	3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	216	178	109	8	13	5	15	14	13	-	1	-

*This table represents only 82.1 percent of the total 21,579 deaths in 1981.
**Non-underlying causes represent the frequency with which these causes are mentioned on the death certificate as other than the underlying cause of death.

MARRIAGES



Occurrence data.

Figure 20

MARRIAGES

In 1981, there were 26,137 marriages performed in Kansas, an increase of 5.2 percent over the 1980 total of 24,847. Nineteen (19.1) percent of the persons who exchanged vows in Kansas in 1981 were residents of other states, while 80.9 percent were Kansas residents. However, the data presented in this summary refer to all marriages which occurred in the State. (The number of marriages performed in each county and corresponding marriage rates appear in Appendix Table 39.)

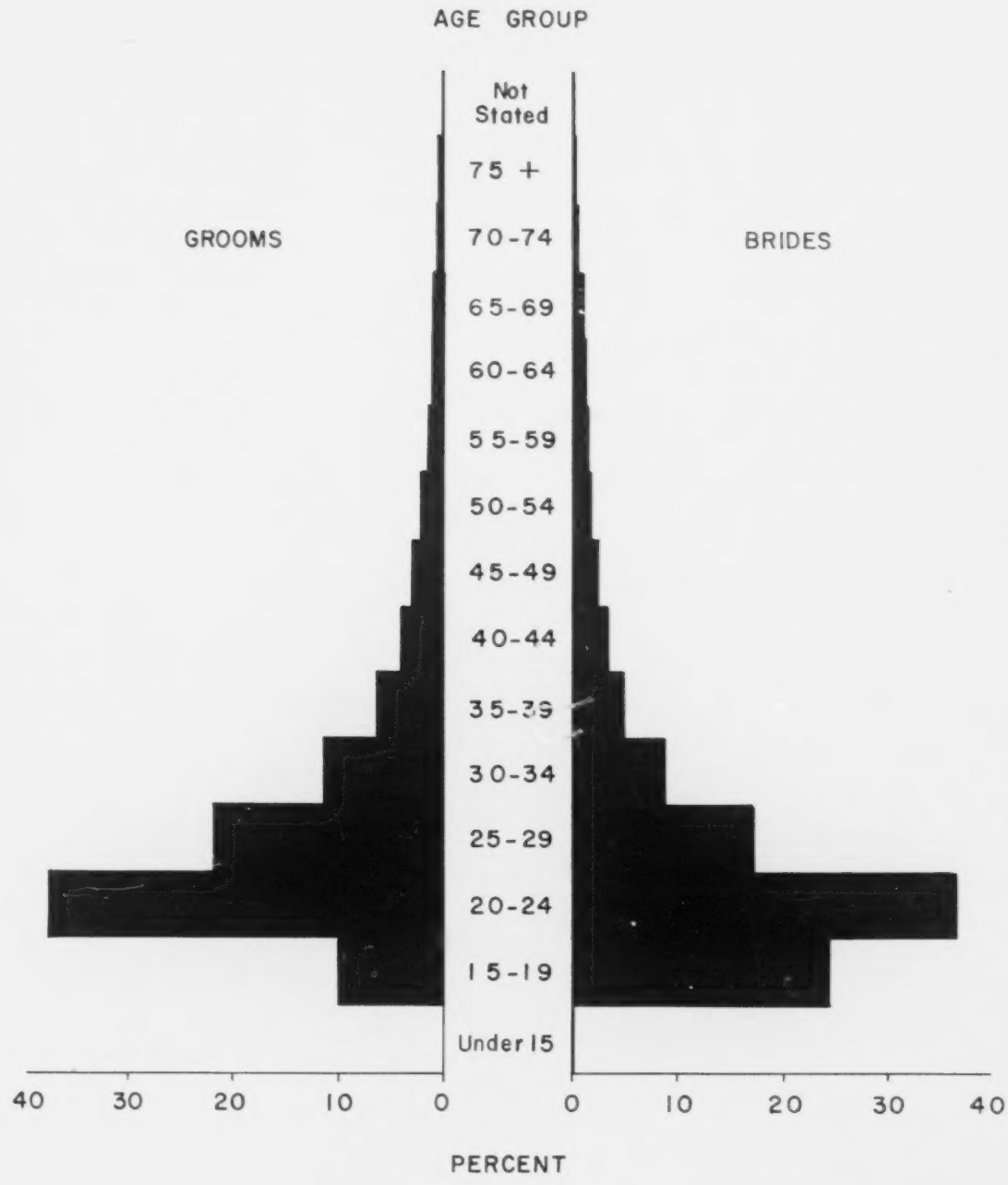
Trends

Following World War II, marriage rates in Kansas reached a record high of 38.8 per thousand population in 1946, as outlined in Figure 20. After falling sharply in the late Forties and during the Korean War in the early 1950's, the rates dipped slightly between 1955 and 1960. In 1961, when the rate was 7.6 per 1,000 population, marriage rates in Kansas began to rise again. Upon reaching 10.0 in 1970, the rates stabilized between 10.0 and 10.9 from 1970 to 1981. In 1981 the Kansas marriage rate was 10.9, 2.8 percent higher than the estimated national rate of 10.6.

Nuptial Age

As illustrated in Figure 21, the highest percentage of those who married in 1981 were between 20 and 24 years of age. Thirty-seven (36.5) percent of the brides and 38.3 percent of the grooms were in that age group. The average age of all brides in 1981 was 26.1; that of grooms was 28.7. Women marrying for the first time averaged 21.4 years of age while first-time grooms averaged 23.7 years. Of those persons who remarried during 1981, women were, on the average, 33.8 years old and men were 37.1 years of age. The number of brides and grooms by age group in 1981 are shown in Table 17. The most common age combination was 19-year-old brides and 20-year-old grooms.

MARRIAGES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1981



Occurrence data.

Figure 21

Table 17
Marriages by Age Group of Groom, by Age Group of Bride
Kansas, 1981

Age Group of Groom	Total	Age Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	26,137	11	6,298	9,553	4,510	2,277	1,249	709	492	284	244	192	153	78	61	26
Under 15....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-19.....	2,624	5	2,064	484	54	11	4	1	-	-	-	-	-	-	-	1
20-24.....	10,006	6	3,506	5,430	836	166	44	8	3	1	-	-	-	-	1	5
25-29.....	5,661	-	548	2,630	1,876	462	109	25	2	1	1	1	-	-	-	6
30-34.....	2,951	-	135	694	1,080	742	216	53	22	-	2	2	-	-	-	5
35-39.....	1,659	-	21	209	418	497	349	114	42	4	2	-	1	-	1	1
40-44.....	1,041	-	11	71	151	234	294	190	62	17	7	2	-	-	-	2
45-49.....	697	-	4	17	51	105	144	160	139	49	22	5	1	-	-	-
50-54.....	488	-	4	7	19	42	64	85	129	87	31	14	3	3	-	-
55-59.....	293	-	-	2	11	12	15	50	55	62	55	21	9	-	1	-
60-64.....	215	-	1	1	5	2	6	15	20	32	64	47	16	5	1	-
65-69.....	217	-	-	-	3	2	2	2	15	16	40	66	56	12	3	-
70-74.....	140	-	-	-	-	-	1	2	2	10	16	27	42	28	11	1
75 & Over...	116	-	-	-	-	-	-	1	1	5	4	7	25	30	43	-
Not Stated..	29	-	4	8	6	2	1	3	-	-	-	-	-	-	-	5

Occurrence data.

Premarital Status

Marriages where neither party had been previously married accounted for 13,489, or 51.6 percent of all marriages. Most of those remarrying, 89.7 percent, had been divorced, 9.0 percent were widowed and 1.3 percent had obtained annulments. Shown in Table 18 are the number of brides and grooms in 1981 by their premarital status.

Table 18
Marriages by Premarital Status of Bride and Groom
Kansas, 1981

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulment	Widowed	Not Stated
Total	26,137	16,266	8,701	146	933	91
Never Married	16,465	13,489	2,752	64	122	38
Divorced	8,676	2,622	5,576	62	393	23
Annulment	108	53	41	13	1	-
Widowed	803	75	308	5	414	1
Not Stated	85	27	24	2	3	29

Seasonality

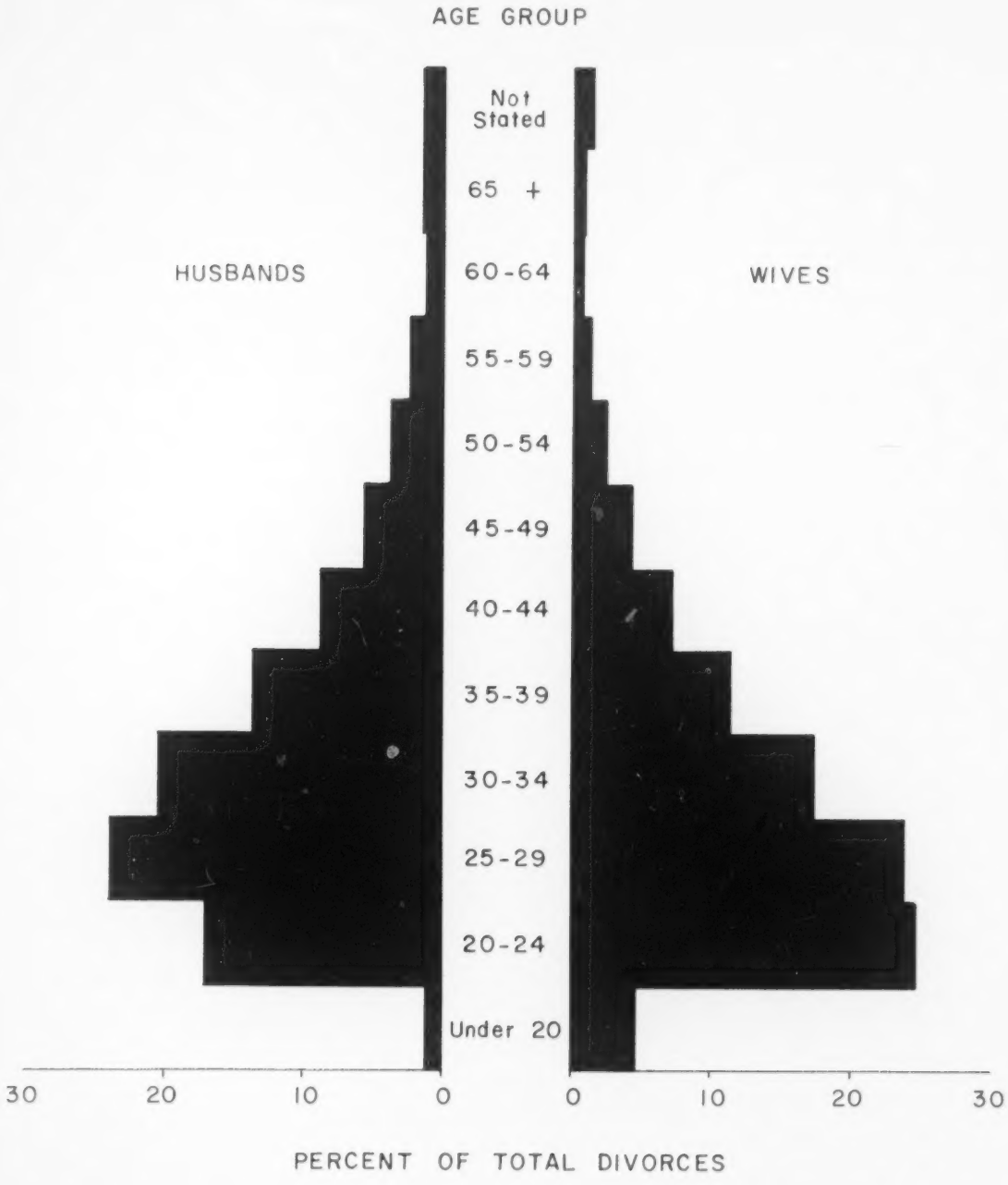
August accounted for 2,935 or 11.2 percent, of the marriages performed in Kansas in 1981. June and May were the second and third most popular months and accounted for 11.2 percent and 11.1 percent, respectively. The distribution of marriages by month of ceremony is presented below.

Marriages: Number and Percent by Month

	Number	Percent
Total	26,137	100.0
January	1,463	5.6
February	1,667	6.4
March	1,414	5.4
April	1,767	6.8
May	2,909	11.1
June	2,928	11.2
July	2,454	9.4
August	2,935	11.2
September	2,264	8.7
October	2,216	8.5
November	2,045	7.8
December	2,075	7.9

DIVORCES AND ANNULMENTS

DIVORCES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1981



Occurrence data

Figure 22

DIVORCES AND ANNULMENTS

There were 13,737 marriage dissolutions in Kansas in 1981, an increase of 2.4 percent over the 13,410 granted in 1980. The number of divorces increased from 13,179 in 1980 to 13,484 in 1981, while the number of annulments increased from 231 to 253.

Whereas a divorce is the dissolution of a legally binding marriage contract, an annulment voids the marriage contract of an invalid marriage. It is therefore as expected that annulments represent a minor portion of all marriage dissolutions in Kansas (1.8 percent in 1981). In many cases annulments have been grouped with divorces for purposes of presentation in this summary. (The total divorces and annulments in each county from 1977 through 1981 are shown by number and rate in Appendix Table 40.)

Trends

Prior to and during World War II the divorce rates remained relatively stable, as shown in Figure 20. In 1946, however, the divorce rate reached a peak of 5.0 per 1,000 population. Following this increase the divorce rates stabilized along the average annual rate of 2.5 per 1,000 population from 1949 to 1966. Since that time, the divorce rate has generally increased, reaching a high of 5.6 in 1980 and 1981. The Kansas divorce and annulment rate in 1981 was 5.7, 7.5 percent higher than the estimated national rate of 5.3.

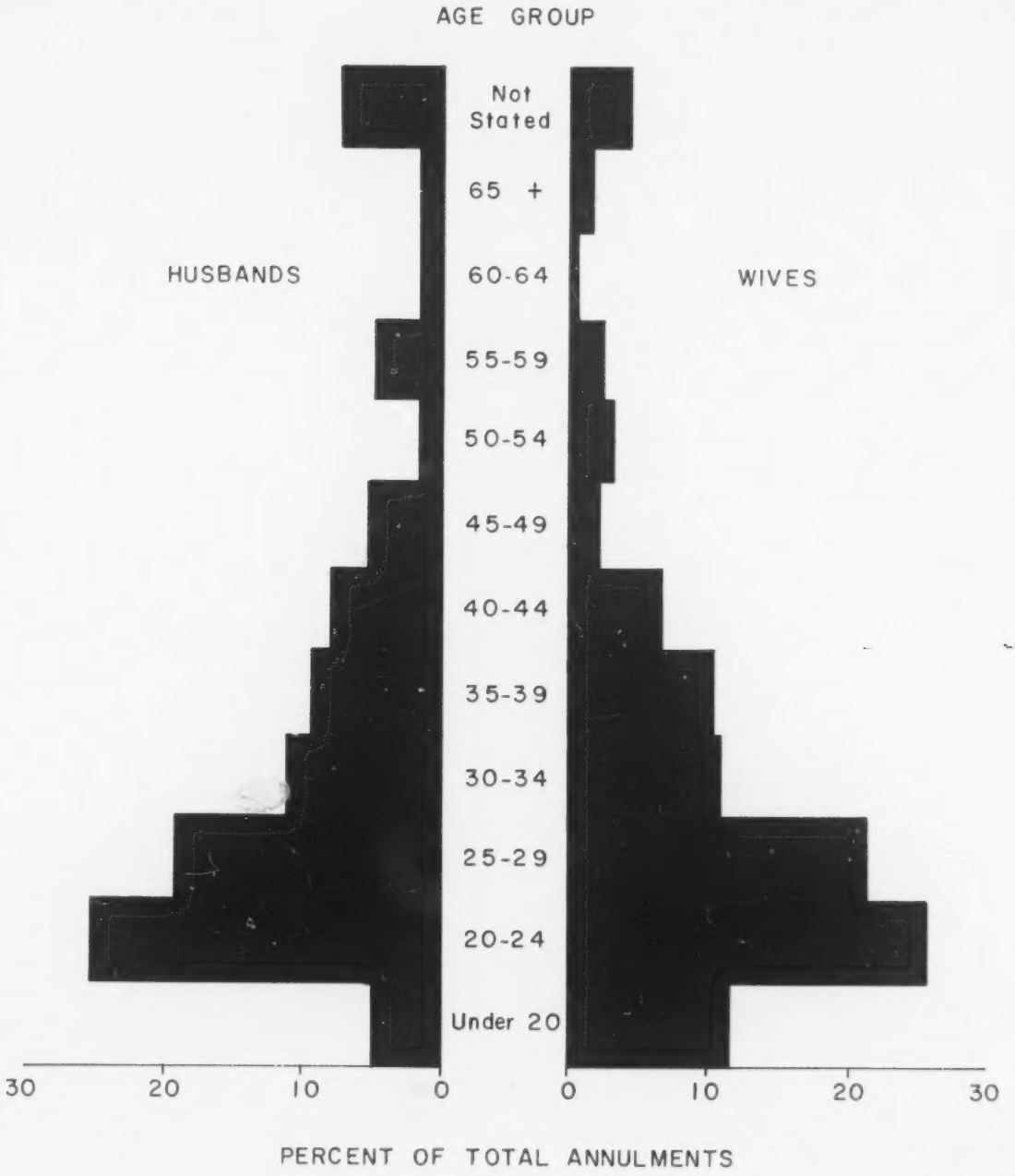
The number of annulments increased from 65 in 1952 to 253 in 1981. The annulment rate per thousand population fluctuated very little, remaining between 0.03 and 0.12 during that time period.

Ages of Spouses

As shown in Figure 22, the most common age groups involved in divorces were those from 20 to 24 and 25 to 29, with the incidence decreasing with the older age groups. For wives, the most prevalent age group was 20-24 years of age, which accounted for 24.5 percent of all newly divorced women; whereas for men the 25-29 year age group was the most prevalent and accounted for 23.9 percent of all newly divorced men. The average age of wives who were divorced was 30.9; that of husbands was 33.5.

The ages between 20 and 24 were the most prevalent ages during which annulments were granted to husbands and wives in 1981. The average age of wives of annulled marriages was 30.0, while that of husbands was 32.4. Illustrated in Figure 23, is the percent distribution of annulments by husbands' and wives' ages.

ANNULMENTS: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1981



Occurrence data.

Figure 23

Duration of Marriage

Over half, 54.3 percent, of the marriages dissolved in 1981 were terminated before the sixth year of marriage as outlined in Table 19. Marriages ending in divorce lasted an average of 8.0 years. Couples who received annulments had been married an average of 1.6 years.

Table 19
Divorces and Annulments
By Duration of Marriage in Years
Kansas, 1981

Duration of Marriage	Total Divorces and Annulments	Divorces	Annulments
Total	13,737	13,484	253
Under 1 year	1,067	911	156
1 year	1,640	1,598	42
2 years	1,535	1,513	22
3 years	1,308	1,298	10
4 years	1,021	1,017	4
5 years	885	879	6
6 years	754	750	4
7 years	655	655	-
8 years	588	586	2
9 years	451	451	-
10 years	446	446	-
11 years	393	392	1
12 years	316	315	1
13 years	287	287	-
14 years	252	250	2
15 years	214	214	-
16 years	212	212	-
17 years	204	204	-
18 years	168	168	-
19 years	164	164	-
20-24 years	548	548	-
25-29 years	316	315	-
30-34 years	176	175	1
35-39 years	64	64	-
40 years & over	36	36	-
Not Stated	37	36	2

Occurrence data.

Number of Minor Children

As shown in Table 20, 13,820 minor children were involved in the 13,737 divorces and annulments in 1981. At least one minor child was reported in over half, 58.2 percent, of the marriages ending in divorce. Nine percent (9.1) of the annulments involved minor children.

Table 20
Divorces and Annulments by Number and Percent
By Number of Minor Children
Kansas, 1981

Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total	13,484	100.0	253	100.0	13,820
None	5,637	41.8	230	90.9	-
1	3,623	26.9	12	4.7	3,635
2	2,864	21.2	5	2.0	5,738
3	993	7.4	2	0.8	2,985
4 or More	331	2.4	2	0.8	1,462
Not Stated	36	0.3	2	0.8	n/a

Occurrence data.

*This represents the number of children reported in marriages ending in divorce or annulment.

SPECIAL BIRTH AND DEATH SUMMARIES

SPECIAL BIRTH AND DEATH SUMMARIES USING 1980 UNITED STATES CENSUS FIGURES

The data presented in this section were calculated using 1980 population figures obtained from the United States Bureau of the Census. Revisions to the census count for Kansas have been made since the publication of the 1980 Annual Summary of Vital Statistics, which used the preliminary census figure of 2,363,208. The latest revised 1980 population count for Kansas is 2,364,236. However, since no summary statistics are available for this figure, we will be using the count of 2,363,679, which does have detailed age and sex breakdowns. It should be noted that this figure is only 0.02 percent lower than the revised 1980 population count and its use will not significantly affect our conclusions.

Included in this section is information regarding live births and deaths for Kansas residents, 1979-1981. Three-year averages of these vital events were used due to the relatively small number of births and deaths in many Kansas counties. Any rates computed for sparsely populated counties for a single year's data would be unreliable due to chance fluctuations. In order to maintain reporting consistency throughout this section, state rates were also determined using a three-year average.

The following definitions and formulas are provided for more meaningful interpretation of the data contained in this section.

Age-Specific Birth Rate: $\frac{\text{live births in a specific age group}}{\text{population in a specific age group}} \times 1{,}000$

Age-Specific Death Rate: $\frac{\text{deaths in a specific age group}}{\text{population in a specific age group}} \times 1{,}000$

Age-Disease Specific Death Rate: $\frac{\text{disease-specific deaths in a specific age group}}{\text{population in a specific age group}} \times 100{,}000$

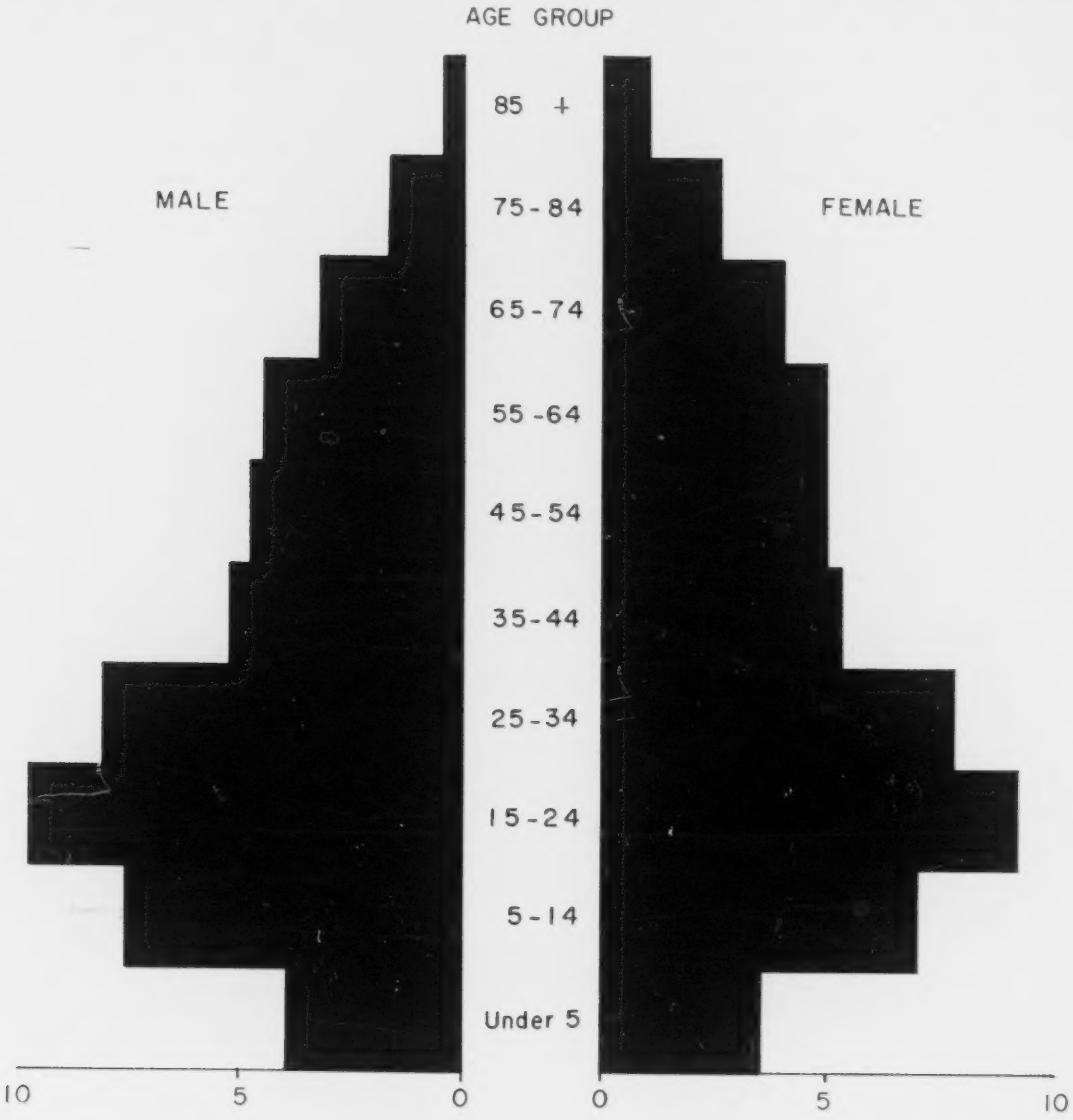
Age-Adjusted Death Rate: $\sum_{a=1}^{n} \left(M_a\right) \times \left(\frac{Pa}{P}\right)$

Where M_a = age-specific death rate for a given age group
P_a = standard population in a given age group
P = total standard population
n = the number of age groups used

Age-Specific Rates are calculated in the same manner as the crude rates, except that specific age-groups are used in the calculations. Age-Adjusted Death Rates are weighted averages of age-specific death rates. Crude death rates can often be misleading because the age distribution of a population has a great effect upon the crude death rate. One county may have a higher crude death rate than another county simply because it has an older population.

The age-adjusted death rate is computed by weighting each county's age-specific death rates to a standard population. The standard population used in this section is the United States population as of the 1980 Census. Thus, the age-adjusted rate shows what the death rate would have been if the given population had an age distribution like that of the United States in 1980. The age-adjusted death rates allow for a more legitimate comparison between areas (such as counties), as long as the adjusted rates are computed using the same standard population. It should also be noted that although the age-adjusted rates do allow for such comparison, those rates are not the actual death rates of the counties.

POPULATION: PERCENT DISTRIBUTION BY AGE GROUP AND SEX KANSAS, 1980



Source: Census of Population and Housing, 1980.
Summary Tape File 1A, Kansas
United States Bureau of the Census

Figure 24

POPULATION

Figure 24 illustrates the distribution of the Kansas population by age group and sex. In 1980, 1,206,738 (51.1%) of the 2,363,679 Kansas residents were female, while 1,156,941 (48.9%) were male. Over forty (41.4) percent of the population were under age 25, with the largest single age group being 15-24 year olds, comprising 19.1% of the total 1980 population. While 50.3 percent of the population under age 65 were male, 60.1% of the population 65 years of age and older were female. Population by county of residence, age group and sex are given in Table 21.

LIVE BIRTHS

Age-Specific Birth Rates

Shown below are the age-specific birth rates for 1979-1981, for mothers between 10 and 54 years of age. It was not possible to restrict the analysis to five-year age groups because of limitations in using the Census Summary Tape File 1A. The largest age-specific birth rate was 132.3 for mothers 20-24 years of age followed by 127.4 for mothers 25-29 years of age. The lowest birth rate (0.1) was for mothers 45-54 years of age.

Live Births: Age-Specific Birth Rates, 1979-1981

Age Group of Mother	Rate
Total	54.9
10-14	0.7
15-19	55.1
20-24	132.3
25-29	127.4
30-34	63.1
35-44	10.8
45-54	0.1

Table 21
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Kansas.....	2,363,679	39,814	141,063	344,378	450,509	374,618	249,640	231,429	225,965	173,411	99,397	33,455
Male.....	1,156,941	20,521	72,463	176,493	231,379	190,044	123,643	112,874	107,273	75,568	36,487	10,196
Female.....	1,206,738	19,293	68,600	167,885	219,130	184,574	125,997	118,555	118,692	97,843	62,910	23,259
Allen.....	15,654	293	986	2,228	2,553	2,074	1,504	1,520	1,645	1,477	1,039	335
Male.....	7,430	156	494	1,128	1,279	1,012	743	709	783	620	402	104
Female.....	8,224	137	492	1,100	1,274	1,062	761	811	862	857	637	231
Anderson.....	8,749	122	515	1,246	1,399	1,022	841	801	974	991	634	204
Male.....	4,272	66	258	638	743	537	409	393	435	469	253	71
Female.....	4,477	56	257	608	656	485	432	408	539	522	381	133
Atchison.....	18,397	270	1,077	2,783	3,877	2,303	1,787	1,756	1,759	1,538	942	305
Male.....	8,886	133	562	1,437	1,959	1,186	853	892	812	647	324	81
Female.....	9,511	137	515	1,346	1,918	1,117	934	864	947	891	618	224
Barber.....	6,548	106	371	817	934	857	631	721	840	737	408	126
Male.....	3,210	60	186	418	496	457	306	364	396	327	158	42
Female.....	3,338	46	185	399	438	400	325	357	444	410	250	84
Barton.....	31,343	540	1,994	4,438	5,735	4,642	3,133	3,335	3,244	2,500	1,395	387
Male.....	15,235	300	1,054	2,308	2,823	2,384	1,520	1,609	1,529	1,072	511	125
Female.....	16,108	240	940	2,130	2,912	2,258	1,613	1,726	1,715	1,428	884	262
Bourbon.....	15,969	252	877	2,113	2,549	2,135	1,463	1,558	1,791	1,749	1,115	367
Male.....	7,493	142	437	1,055	1,268	1,067	722	710	833	735	403	121
Female.....	8,476	110	440	1,058	1,281	1,068	741	848	958	1,014	712	246
Brown.....	11,955	211	716	1,694	1,749	1,495	1,046	1,072	1,374	1,322	933	343
Male.....	5,703	102	363	869	878	752	519	542	613	589	362	114
Female.....	6,252	109	353	825	871	743	527	530	761	733	571	229
Butler.....	44,782	714	2,858	7,008	7,603	6,810	5,116	4,790	4,316	3,189	1,772	606
Male.....	21,856	357	1,451	3,549	3,859	3,400	2,516	2,399	2,088	1,397	644	196
Female.....	22,926	357	1,407	3,459	3,744	3,410	2,600	2,391	2,228	1,792	1,128	410
Chase.....	3,309	54	163	447	446	413	311	319	431	375	249	101
Male.....	1,587	20	86	246	208	219	162	152	204	177	88	25
Female.....	1,722	34	77	201	238	194	149	167	227	198	161	76
Chautauqua.....	5,016	65	214	628	670	528	515	449	674	723	405	145
Male.....	2,442	32	123	328	361	269	243	219	308	330	178	51
Female.....	2,574	33	91	300	309	259	272	230	366	393	227	94

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Cherokee.....	22,304	340	1,197	3,442	3,491	2,925	2,412	2,134	2,494	2,314	1,222	333
Male.....	10,578	176	614	1,764	1,795	1,447	1,163	984	1,158	956	427	94
Female.....	11,726	164	583	1,678	1,696	1,478	1,249	1,150	1,336	1,358	795	239
Cheyenne.....	3,678	45	197	478	480	449	311	488	509	383	264	74
Male.....	1,763	24	88	244	251	236	156	233	249	170	96	16
Female.....	1,915	21	109	234	229	213	155	255	260	213	168	58
Clark.....	2,599	35	119	330	322	293	264	298	342	312	204	80
Male.....	1,231	21	59	170	160	151	136	134	160	141	77	22
Female.....	1,368	14	60	160	162	142	128	164	182	171	127	58
Clay.....	9,802	165	581	1,308	1,368	1,262	905	1,007	1,121	1,062	756	267
Male.....	4,740	81	291	679	742	634	451	471	539	493	273	86
Female.....	5,062	84	290	629	626	628	454	536	582	569	483	181
Cloud.....	12,494	181	645	1,544	2,189	1,493	1,123	1,134	1,375	1,425	961	424
Male.....	5,845	88	335	791	1,127	745	549	531	626	610	337	106
Female.....	6,649	93	310	753	1,062	748	574	603	749	815	624	318
Coffey.....	9,370	180	550	1,388	1,447	1,335	956	773	937	983	604	217
Male.....	4,645	94	277	708	735	692	488	410	443	472	247	79
Female.....	4,725	86	273	680	712	643	468	363	494	511	357	138
Comanche.....	2,554	33	128	348	330	295	257	258	320	330	181	74
Male.....	1,250	13	73	195	168	151	135	131	148	153	59	24
Female.....	1,304	20	55	153	162	144	122	127	172	177	122	50
Cowley.....	36,824	614	2,054	5,348	6,293	5,270	3,830	3,727	3,676	3,315	1,999	698
Male.....	17,571	306	1,045	2,751	3,149	2,572	1,881	1,864	1,698	1,413	693	199
Female.....	19,253	308	1,009	2,597	3,144	2,698	1,949	1,863	1,978	1,902	1,306	499
Crawford.....	37,916	530	1,880	4,641	7,650	4,961	3,513	3,276	4,125	4,131	2,408	801
Male.....	18,009	283	981	2,416	3,935	2,526	1,729	1,522	1,826	1,760	799	232
Female.....	19,907	247	899	2,225	3,715	2,435	1,784	1,754	2,299	2,371	1,609	569
Decatur.....	4,509	64	251	587	671	514	378	515	552	465	376	136
Male.....	2,196	27	129	315	355	268	191	241	265	207	150	48
Female.....	2,313	37	122	272	316	246	187	274	287	258	226	88

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Dickinson.....	20,175	320	1,099	2,888	3,073	2,459	2,152	2,128	2,116	2,009	1,354	577
Male.....	9,795	164	572	1,510	1,607	1,249	1,068	1,062	993	872	527	171
Female.....	10,380	156	527	1,378	1,466	1,210	1,084	1,066	1,123	1,137	827	406
Doniphan.....	9,268	161	526	1,422	1,663	1,274	847	859	955	871	509	181
Male.....	4,575	89	279	708	839	655	441	394	468	409	228	65
Female.....	4,693	72	247	714	824	619	406	465	487	462	281	116
Douglas.....	67,640	938	3,179	7,389	23,625	12,639	6,029	4,660	4,125	2,744	1,693	619
Male.....	33,951	473	1,646	3,756	12,158	6,671	3,011	2,281	1,985	1,163	633	174
Female.....	33,689	465	1,533	3,633	11,467	5,968	3,018	2,379	2,140	1,581	1,060	445
Edwards.....	4,271	63	239	547	632	538	412	448	509	490	288	105
Male.....	2,111	33	115	300	318	287	225	219	231	227	113	43
Female.....	2,160	30	124	247	314	251	187	229	278	263	175	62
Elk.....	3,918	62	191	475	480	388	371	412	505	562	353	119
Male.....	1,880	35	94	261	249	181	188	196	240	233	160	43
Female.....	2,038	27	97	214	231	207	183	216	265	329	193	76
Ellis.....	26,098	461	1,632	3,445	7,144	4,237	2,295	2,161	2,076	1,611	809	227
Male.....	12,708	232	818	1,779	3,440	2,225	1,143	1,051	951	696	295	78
Female.....	13,390	229	814	1,666	3,704	2,012	1,152	1,110	1,125	915	514	149
Ellsworth.....	6,640	117	349	883	907	815	587	666	800	853	507	156
Male.....	3,232	68	164	472	484	408	299	333	371	399	183	51
Female.....	3,408	49	185	411	423	407	288	333	429	454	324	105
Finney.....	23,825	535	1,936	4,147	4,722	4,253	2,436	2,005	1,840	1,185	559	207
Male.....	11,810	305	974	2,078	2,368	2,200	1,229	960	888	537	213	58
Female.....	12,015	230	962	2,069	2,354	2,053	1,207	1,045	952	648	346	149
Ford.....	24,315	479	1,607	3,648	4,867	3,701	2,527	2,254	2,240	1,693	953	346
Male.....	11,903	259	811	1,919	2,394	1,893	1,247	1,094	1,076	731	366	113
Female.....	12,412	220	796	1,729	2,473	1,808	1,280	1,160	1,164	962	587	233
Franklin.....	22,062	356	1,244	3,228	3,983	2,906	2,403	2,117	2,158	1,979	1,267	421
Male.....	10,746	177	663	1,685	2,025	1,465	1,176	1,058	993	892	477	135
Female.....	11,316	179	581	1,543	1,958	1,441	1,227	1,059	1,165	1,087	790	286

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Geary.....	29,852	889	2,262	3,990	8,711	4,893	2,968	2,242	1,868	1,202	602	225
Male.....	15,732	472	1,217	2,046	5,052	2,619	1,535	1,081	876	549	218	67
Female.....	14,120	417	1,045	1,944	3,659	2,274	1,433	1,161	992	653	384	158
Gove.....	3,726	63	243	591	613	501	342	403	353	379	189	49
Male.....	1,834	28	122	289	316	259	178	197	175	168	83	19
Female.....	1,892	35	121	302	297	242	164	206	178	211	106	30
Graham.....	3,995	70	234	560	650	469	418	457	427	393	253	64
Male.....	1,989	40	129	294	335	244	202	221	213	179	110	22
Female.....	2,006	30	105	266	315	225	216	236	214	214	143	42
Grant.....	6,977	134	563	1,239	1,291	1,173	831	694	536	346	130	40
Male.....	3,517	71	292	638	643	611	419	351	278	149	50	15
Female.....	3,460	63	271	601	648	562	412	343	258	197	80	25
Gray.....	5,138	109	395	815	867	809	558	482	463	368	194	78
Male.....	2,569	55	209	421	439	411	291	240	223	162	81	37
Female.....	2,569	54	186	394	428	398	267	242	240	206	113	41
Greeley.....	1,845	38	123	277	324	236	183	208	207	147	82	20
Male.....	925	17	61	133	175	126	93	98	102	74	38	8
Female.....	920	21	62	144	149	110	90	110	105	73	44	12
Greenwood.....	8,764	112	436	1,175	1,133	989	830	910	1,073	1,120	747	239
Male.....	4,231	50	211	610	611	487	397	441	505	501	325	93
Female.....	4,533	62	225	565	522	502	433	469	568	619	422	146
Hamilton.....	2,514	31	148	357	369	305	261	305	280	266	146	46
Male.....	1,238	15	84	183	194	152	126	149	134	127	57	17
Female.....	1,276	16	64	174	175	153	135	156	146	139	89	29
Harper.....	7,778	111	383	1,014	1,004	933	763	846	955	925	643	201
Male.....	3,699	52	209	536	498	480	371	421	446	394	236	56
Female.....	4,079	59	174	478	506	453	392	425	509	531	407	145
Harvey.....	30,531	490	1,791	4,217	5,738	4,609	3,154	3,048	2,799	2,314	1,709	662
Male.....	14,620	257	921	2,210	2,860	2,340	1,499	1,481	1,330	970	578	174
Female.....	15,911	233	870	2,007	2,878	2,269	1,655	1,567	1,469	1,344	1,131	488

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Haskell.....	3,814	85	295	657	651	636	439	370	338	208	106	29
Male.....	1,938	41	152	344	346	327	222	183	171	97	43	12
Female.....	1,876	44	143	313	305	309	217	187	167	111	63	17
Hodgeman.....	2,269	35	108	313	375	266	224	261	288	223	130	46
Male.....	1,157	21	57	167	212	144	102	134	144	107	49	20
Female.....	1,112	14	51	146	163	122	122	127	144	116	81	26
Jackson.....	11,644	204	701	1,952	1,727	1,638	1,341	1,186	1,075	1,024	581	215
Male.....	5,772	106	354	1,034	889	810	682	591	511	488	228	79
Female.....	5,872	98	347	918	838	828	659	595	564	536	353	136
Jefferson.....	15,207	241	812	2,529	2,309	2,246	1,841	1,516	1,536	1,182	696	299
Male.....	7,564	134	434	1,316	1,161	1,105	937	781	741	574	284	97
Female.....	7,643	107	378	1,213	1,148	1,141	904	735	795	608	412	202
Jewell.....	5,241	82	285	678	719	625	450	611	612	640	398	141
Male.....	2,585	42	155	341	379	327	223	299	308	288	175	48
Female.....	2,656	40	130	337	340	298	227	312	304	352	223	93
Johnson.....	270,269	4,226	15,378	43,840	44,247	51,306	36,930	29,358	24,340	13,006	5,862	1,776
Male.....	131,371	2,154	7,836	22,457	21,909	24,577	18,141	14,174	11,851	5,741	2,058	473
Female.....	138,898	2,072	7,542	21,383	22,338	26,729	18,789	15,184	12,489	7,265	3,804	1,303
Kearny.....	3,435	72	275	618	598	506	355	359	316	216	102	18
Male.....	1,729	30	139	317	309	270	168	183	162	100	42	9
Female.....	1,706	42	136	301	289	236	187	176	154	116	60	9
Kingman.....	8,960	147	516	1,259	1,425	1,147	894	924	1,067	873	510	198
Male.....	4,392	74	270	624	751	609	438	476	504	401	189	56
Female.....	4,568	73	246	635	674	538	456	448	563	472	321	142
Kiowa.....	4,046	56	274	510	633	547	366	444	474	432	227	83
Male.....	1,964	32	128	268	302	300	188	223	217	199	78	29
Female.....	2,082	24	146	242	331	247	178	221	257	233	149	54
Labette.....	25,682	383	1,520	3,977	4,232	3,627	2,557	2,326	2,699	2,425	1,440	496
Male.....	12,229	188	788	2,009	2,208	1,784	1,251	1,101	1,186	1,025	546	143
Female.....	13,453	195	732	1,968	2,024	1,843	1,306	1,225	1,513	1,400	894	353

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Lane.....	2,472	42	164	359	353	326	273	264	271	247	140	33
Male.....	1,216	21	93	170	190	169	130	141	117	111	60	14
Female.....	1,256	21	71	189	163	157	143	123	154	136	80	19
Leavenworth....	54,809	787	3,211	9,015	9,842	9,406	7,404	5,237	4,627	3,186	1,628	466
Male.....	29,146	421	1,653	4,657	5,489	5,205	4,152	2,857	2,445	1,489	615	163
Female.....	25,663	366	1,558	4,358	4,353	4,201	3,252	2,380	2,182	1,697	1,013	303
Lincoln.....	4,145	70	205	490	516	496	332	480	502	508	395	151
Male.....	1,998	38	107	243	281	263	159	242	235	232	146	52
Female.....	2,147	32	98	247	235	233	173	238	267	276	249	99
Linn.....	8,234	119	450	1,181	1,065	1,045	813	838	971	974	601	177
Male.....	3,970	63	224	609	542	511	408	406	461	459	233	54
Female.....	4,264	56	226	572	523	534	405	432	510	515	368	123
Logan.....	3,478	59	185	515	572	463	332	396	378	300	210	68
Male.....	1,730	26	108	277	293	246	159	203	187	125	76	30
Female.....	1,748	33	77	238	279	217	173	193	191	175	134	38
Lyon.....	35,108	651	2,194	4,484	9,031	6,354	3,091	2,593	2,558	2,209	1,435	508
Male.....	17,142	316	1,142	2,325	4,310	3,436	1,568	1,229	1,179	974	505	158
Female.....	17,966	335	1,052	2,159	4,721	2,918	1,523	1,364	1,379	1,235	930	350
Marion.....	13,522	160	623	1,707	2,180	1,575	1,219	1,412	1,607	1,595	1,052	392
Male.....	6,486	76	306	871	1,137	791	624	659	771	710	413	128
Female.....	7,036	84	317	836	1,043	784	595	753	836	885	639	264
Marshall.....	12,787	171	673	1,550	2,028	1,464	1,183	1,290	1,855	1,478	818	277
Male.....	6,184	81	343	801	1,009	760	559	662	869	710	299	91
Female.....	6,603	90	330	749	1,019	704	624	628	986	768	519	186
McPherson.....	26,855	410	1,531	3,477	5,259	3,880	2,638	2,641	2,641	2,307	1,495	576
Male.....	12,991	209	774	1,765	2,684	1,993	1,308	1,282	1,242	989	547	198
Female.....	13,864	201	757	1,712	2,575	1,887	1,330	1,359	1,399	1,318	948	378
Meade.....	4,788	87	273	688	790	620	453	542	489	466	294	86
Male.....	2,396	48	152	369	432	327	228	266	229	207	111	27
Female.....	2,392	39	121	319	358	293	225	276	260	259	183	59

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Miami.....	21,618	325	1,248	3,402	3,568	2,984	2,454	2,252	2,090	1,847	1,104	344
Male.....	10,616	180	612	1,788	1,866	1,481	1,238	1,112	1,016	805	413	105
Female.....	11,002	145	636	1,614	1,702	1,503	1,216	1,140	1,074	1,042	691	239
Mitchell.....	8,117	122	487	1,109	1,376	1,096	690	773	797	927	529	211
Male.....	3,890	58	238	574	702	568	359	386	360	413	164	68
Female.....	4,227	64	249	535	674	528	331	387	437	514	365	143
Montgomery.....	42,281	704	2,474	6,127	6,802	5,778	4,323	4,009	4,608	4,148	2,529	779
Male.....	20,103	359	1,265	3,147	3,438	2,836	2,141	1,889	2,101	1,766	929	232
Female.....	22,178	345	1,209	2,980	3,364	2,942	2,182	2,120	2,507	2,382	1,600	547
Morris.....	6,419	96	323	850	908	722	648	634	781	792	466	199
Male.....	3,112	45	172	405	467	372	325	315	378	359	206	68
Female.....	3,307	51	151	445	441	350	323	319	403	433	260	131
Morton.....	3,454	66	252	604	577	530	413	347	341	195	106	23
Male.....	1,752	32	124	332	285	266	224	172	162	96	47	12
Female.....	1,702	34	128	272	292	264	189	175	179	99	59	11
Nemaha.....	11,211	190	670	1,697	1,860	1,295	985	1,117	1,215	1,121	774	287
Male.....	5,552	102	364	880	987	692	497	546	580	514	310	80
Female.....	5,659	88	306	817	873	603	488	571	635	607	464	207
Neosho.....	18,967	314	1,168	2,795	3,025	2,552	1,942	1,852	1,990	1,820	1,131	377
Male.....	9,096	151	616	1,387	1,554	1,288	957	891	943	767	429	113
Female.....	9,871	163	552	1,408	1,472	1,264	985	961	1,047	1,053	702	264
Ness.....	4,498	82	245	560	730	565	422	458	519	521	301	95
Male.....	2,214	37	126	288	403	312	201	212	259	226	117	33
Female.....	2,284	45	119	272	327	253	221	246	260	295	184	62
Norton.....	6,689	79	303	890	932	895	725	688	748	760	503	166
Male.....	3,242	42	151	450	494	478	354	359	349	333	190	42
Female.....	3,447	37	152	440	438	417	371	329	399	427	313	124
Osage.....	15,319	246	882	2,353	2,424	2,141	1,660	1,551	1,521	1,371	854	316
Male.....	7,551	128	451	1,223	1,268	1,064	830	789	732	630	345	91
Female.....	7,768	118	431	1,130	1,156	1,077	830	762	789	741	509	225

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Osborne.....	5,959	103	313	765	809	649	501	589	758	737	520	215
Male.....	2,841	51	156	394	408	340	253	282	358	326	203	70
Female.....	3,118	52	157	371	401	309	248	307	400	411	317	145
Ottawa.....	5,971	81	314	801	875	717	661	601	645	692	421	163
Male.....	2,891	48	160	401	443	375	331	308	296	311	168	50
Female.....	3,080	33	154	400	432	342	330	293	349	381	253	113
Pawnee.....	8,065	113	413	1,076	1,229	1,190	865	825	997	814	407	136
Male.....	4,038	61	226	531	680	662	450	411	461	362	156	38
Female.....	4,027	52	187	545	549	528	415	414	536	452	251	98
Phillips.....	7,406	115	398	1,001	1,013	946	755	775	871	772	532	228
Male.....	3,609	62	199	529	544	495	359	366	425	354	207	69
Female.....	3,797	53	199	472	469	451	396	409	446	418	325	159
Pottawatomie...	14,782	277	958	2,215	2,568	2,392	1,522	1,317	1,332	1,191	766	244
Male.....	7,392	152	512	1,116	1,326	1,249	765	684	654	550	305	79
Female.....	7,390	125	446	1,099	1,242	1,143	757	633	678	641	461	165
Pratt.....	10,275	164	605	1,269	1,794	1,412	980	1,071	1,140	982	628	230
Male.....	4,947	91	316	616	942	734	476	516	531	424	222	79
Female.....	5,328	73	289	653	852	678	504	555	609	558	406	151
Rawlins.....	4,105	65	238	600	590	537	393	441	464	429	271	77
Male.....	2,015	29	113	285	320	276	199	216	230	196	117	34
Female.....	2,090	36	125	315	270	261	194	225	234	233	154	43
Reno.....	64,983	1,059	3,964	9,261	11,946	10,243	6,889	6,297	6,402	5,132	2,831	959
Male.....	31,920	586	2,060	4,738	6,304	5,233	3,410	3,039	3,000	2,222	1,047	281
Female.....	33,063	473	1,904	4,523	5,642	5,010	3,479	3,258	3,402	2,910	1,784	678
Republic.....	7,569	111	353	904	1,014	842	686	822	966	954	658	259
Male.....	3,676	53	181	471	534	441	334	395	473	431	277	86
Female.....	3,893	58	172	433	480	401	352	427	493	523	381	173
Rice.....	11,900	170	653	1,573	2,056	1,413	1,203	1,258	1,307	1,287	691	289
Male.....	5,710	86	333	796	1,055	716	586	613	604	562	271	88
Female.....	6,190	84	320	777	1,001	697	617	645	703	725	420	201

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Riley.....	63,505	1,198	3,812	6,807	25,994	11,820	4,571	3,003	2,813	1,965	1,102	420
Male.....	35,742	621	1,996	3,456	16,339	6,738	2,443	1,442	1,365	831	395	116
Female.....	27,763	577	1,816	3,351	9,655	5,082	2,128	1,561	1,448	1,134	707	304
Rooks.....	7,006	103	422	1,037	1,100	839	600	719	799	798	440	149
Male.....	3,369	48	203	546	578	437	290	340	367	345	172	43
Female.....	3,637	55	219	491	522	402	310	379	432	453	268	106
Rush.....	4,516	67	226	555	614	524	387	527	615	564	333	104
Male.....	2,217	35	117	299	342	266	189	261	301	246	125	36
Female.....	2,299	32	109	256	272	258	198	266	314	318	208	68
Russell.....	8,868	135	460	1,114	1,300	1,153	850	998	1,116	1,049	534	159
Male.....	4,314	62	243	591	669	600	415	472	524	477	206	55
Female.....	4,554	73	217	523	631	553	435	526	592	572	328	104
Saline.....	48,905	798	2,877	7,140	9,679	7,968	5,330	4,718	4,446	3,430	1,933	586
Male.....	23,610	439	1,477	3,650	4,750	3,957	2,625	2,300	2,099	1,434	698	181
Female.....	25,295	359	1,400	3,490	4,929	4,011	2,705	2,418	2,347	1,996	1,235	405
Scott.....	5,782	105	395	974	916	923	614	555	555	456	194	95
Male.....	2,874	59	209	515	436	489	305	267	266	229	68	31
Female.....	2,908	46	186	459	480	434	309	288	289	227	126	64
Sedgwick.....	366,531	6,693	23,297	54,056	71,575	65,194	38,792	37,316	34,489	21,217	10,575	3,327
Male.....	179,278	3,444	11,809	27,423	35,950	33,545	19,168	18,233	16,285	8,965	3,567	889
Female.....	187,253	3,249	11,488	26,633	35,625	31,649	19,624	19,083	18,204	12,252	7,008	2,438
Seward.....	17,071	381	1,314	2,750	3,456	2,847	1,746	1,713	1,389	912	440	123
Male.....	8,553	187	680	1,413	1,773	1,479	870	857	688	414	154	38
Female.....	8,518	194	634	1,337	1,683	1,368	876	856	701	498	286	85
Shawnee.....	154,916	2,492	8,945	22,607	28,387	26,492	16,900	16,176	14,388	10,322	6,132	2,075
Male.....	74,805	1,312	4,688	11,659	14,044	13,003	8,217	7,950	6,958	4,247	2,112	615
Female.....	80,111	1,180	4,257	10,948	14,343	13,489	8,683	8,226	7,430	6,075	4,020	1,460
Sheridan.....	3,544	65	232	596	563	438	330	414	345	263	227	71
Male.....	1,807	38	122	309	309	228	168	204	184	126	93	26
Female.....	1,737	27	110	287	254	210	162	210	161	137	134	45

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Sherman.....	7,759	101	478	1,219	1,391	1,115	857	801	767	566	346	118
Male.....	3,854	54	227	635	775	558	425	372	387	242	142	37
Female.....	3,905	47	251	584	616	557	432	429	380	324	204	81
Smith.....	5,947	74	301	717	791	649	559	676	738	697	530	215
Male.....	2,880	42	159	372	427	334	248	341	374	313	201	69
Female.....	3,067	32	142	345	364	315	311	335	364	384	329	146
Stafford.....	5,694	74	293	704	749	645	548	570	742	745	462	162
Male.....	2,715	44	146	368	375	345	254	275	324	341	195	48
Female.....	2,979	30	147	336	374	300	294	295	418	404	267	114
Stanton.....	2,339	52	184	390	416	337	299	259	185	119	74	24
Male.....	1,166	23	96	191	203	176	140	144	97	63	24	9
Female.....	1,173	29	88	199	213	161	159	115	88	56	50	15
Stevens.....	4,736	117	361	771	761	706	518	417	508	366	156	55
Male.....	2,359	56	182	396	395	359	267	211	231	185	62	15
Female.....	2,377	61	179	375	366	347	251	206	277	181	94	40
Sumner.....	24,928	411	1,575	3,611	3,889	3,345	2,592	2,579	2,706	2,322	1,368	530
Male.....	12,052	206	851	1,826	1,967	1,684	1,304	1,258	1,270	1,023	501	162
Female.....	12,876	205	724	1,785	1,922	1,661	1,288	1,321	1,436	1,299	867	368
Thomas.....	8,451	151	585	1,262	1,833	1,238	833	739	766	577	365	102
Male.....	4,101	77	294	644	874	622	419	379	363	246	150	33
Female.....	4,350	74	291	618	959	616	414	360	403	331	215	69
Trego.....	4,165	75	268	571	637	534	350	428	491	474	269	68
Male.....	2,052	40	142	298	329	277	181	208	234	206	113	24
Female.....	2,113	35	126	273	308	257	169	220	257	268	156	44
Wabaunsee.....	6,867	110	354	1,024	1,038	867	744	706	751	641	465	167
Male.....	3,430	54	171	540	539	446	382	344	382	309	200	63
Female.....	3,437	56	183	484	499	421	362	362	369	332	265	104
Wallace.....	2,045	42	122	347	296	308	185	221	234	150	114	26
Male.....	1,041	21	75	182	149	156	94	106	118	74	57	9
Female.....	1,004	21	47	165	147	152	91	115	116	76	57	17

Table 21 (cont.)
Population by Age Group and Sex
By County of Residence
Kansas, 1980

County of Residence and Sex	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
Washington.....	8,543	141	461	1,154	1,217	911	734	876	1,001	1,126	691	231
Male.....	4,190	68	225	573	651	489	363	446	496	506	283	90
Female.....	4,353	73	236	581	566	422	371	430	505	620	408	141
Wichita.....	3,041	63	234	512	529	446	309	331	272	212	108	25
Male.....	1,577	35	122	272	294	232	152	176	133	103	49	9
Female.....	1,464	28	112	240	235	214	157	155	139	109	59	16
Wilson.....	12,128	205	706	1,761	1,733	1,550	1,159	1,163	1,408	1,378	811	254
Male.....	5,800	95	362	905	876	753	577	540	669	628	318	77
Female.....	6,328	110	344	856	857	797	582	623	739	750	493	177
Woodson.....	4,600	68	230	526	663	557	396	466	632	567	365	130
Male.....	2,253	30	112	285	338	294	205	229	302	254	158	46
Female.....	2,347	38	118	241	325	263	191	237	330	313	207	84
Wyandotte.....	172,335	3,171	11,044	27,399	32,781	26,937	16,922	17,097	16,889	11,726	6,367	2,002
Male.....	81,768	1,584	5,668	13,993	15,848	13,077	7,996	8,088	7,823	4,918	2,172	601
Female.....	90,567	1,587	5,376	13,406	16,933	13,860	8,926	9,009	9,066	6,808	4,195	1,401

Source: Census of Population and Housing, 1980:
Summary Tape File 1A, Kansas
United States Bureau of the Census

Fertility Rates

Fertility rates by county of residence are given in Table 22. While the state rate was 76.0 for the period 1979-1981, individual county rates varied from a low of 47.1 for Douglas County, to a high of 177.1 for Geary County. These extreme differences can be explained, in part, by the composition of the female population in those counties. Douglas County has a large student population. The low fertility rate in Douglas County is indicative of the large number of young, single females residing in the county. Riley County also has a large student population, and has the second lowest fertility rate of 56.3. In Geary County, however, a high fertility rate can be expected due to the large number of young military wives residing in that county.

DEATHS

Age-Specific Death Rates

Age-specific death rates for the five leading causes of death, 1979-1981, are shown in Table 23. While the disease-specific death rates for heart disease and malignant neoplasms are high, 347.1 and 178.7 respectively; they tend to afflict the older age groups, as can be noted by the higher age-specific death rates after age 54. The highest age-specific death rates for the five leading causes of death are found in the oldest age group, 85 and over. For all five causes of death except malignant neoplasms, the age-specific death rate for those 85 years of age and over was at least twice the rate of the 75-84 year old age group. The relative order of the five leading causes also changes for this group. Cerebrovascular disease is second only to heart disease in the number of deaths per 100,000 population age 85 and over, and the accidental death rate of 319.8 falls below the pneumonia and influenza death rate of 908.7.

Table 22
Fertility Rates By County of Residence
Kansas, 1979-1981

County of Residence	Rate	County of Residence	Rate
Kansas.....	76.0		
Allen.....	82.7	Lyon.....	71.1
Anderson.....	83.3	Marion.....	70.6
Atchison.....	71.3	Marshall.....	82.7
Barber.....	100.6	McPherson.....	72.5
Barton.....	82.9	Meade.....	97.0
Bourbon.....	79.3	Miami.....	72.6
Brown.....	89.2	Mitchell.....	85.5
Butler.....	73.3	Montgomery.....	81.2
Chase.....	80.9	Morris.....	80.8
Chautauqua....	77.4	Morton.....	91.3
Cherokee.....	71.0	Nemaha.....	100.8
Cheyenne.....	78.7	Neosho.....	80.1
Clark.....	71.8	Ness.....	104.9
Clay.....	81.4	Norton.....	72.6
Cloud.....	74.7	Osage.....	75.7
Coffey.....	87.8	Osborne.....	87.7
Comanche.....	86.4	Ottawa.....	73.4
Cowley.....	75.1	Pawnee.....	84.5
Crawford.....	68.1	Phillips.....	80.5
Decatur.....	96.1	Pottawatomie...	88.5
Dickinson.....	72.3	Pratt.....	81.6
Doniphan.....	84.4	Rawlins.....	91.0
Douglas.....	47.1	Reno.....	72.5
Edwards.....	85.1	Republic.....	78.7
Elk.....	78.9	Rice.....	79.9
Ellis.....	69.5	Riley.....	56.3
Ellsworth.....	86.8	Rooks.....	94.8
Finney.....	101.4	Rush.....	89.3
Ford.....	88.7	Russell.....	83.4
Franklin.....	72.0	Saline.....	67.6
Geary.....	177.7	Scott.....	80.9
Gove.....	86.8	Sedgwick.....	81.3
Graham.....	82.0	Seward.....	99.1
Grant.....	100.5	Shawnee.....	69.3
Gray.....	90.6	Sheridan.....	97.4
Greeley.....	126.1	Sherman.....	80.4
Greenwood.....	74.8	Smith.....	75.8
Hamilton.....	79.9	Stafford.....	88.8
Harper.....	77.7	Stanton.....	97.6
Harvey.....	72.5	Stevens.....	93.4
Haskell.....	101.1	Sumner.....	85.2
Hodgeman.....	88.5	Thomas.....	73.9
Jackson.....	81.7	Trego.....	94.0
Jefferson.....	73.0	Wabaunsee.....	74.1
Jewell.....	87.9	Wallace.....	100.0
Johnson.....	59.2	Washington.....	84.6
Kearny.....	115.2	Wichita.....	97.4
Kingman.....	83.3	Wilson.....	79.6
Kiowa.....	86.0	Woodson.....	84.7
Labette.....	78.5	Wyandotte.....	86.8
Lane.....	86.4		
Leavenworth...	66.7		
Lincoln.....	93.6		
Linn.....	84.1		
Logan.....	94.2		

Table 23
Age-Specific Death Rates*
For Selected Causes of Death By Sex
Kansas, 1979-1981

Selected Causes of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Diseases of the Heart (390-398, 402, 404-429)...	347.1	15.1	2.1	0.6	1.8	5.9	35.3	146.0	408.5	1,006.9	2,650.0	7,278.4
Male.....	370.5	19.5	2.8	0.6	2.2	6.3	53.4	233.0	621.8	1,457.0	3,590.3	8,395.4
Female.....	324.7	10.4	1.5	0.6	1.4	5.4	17.5	63.3	215.7	659.2	2,104.6	6,788.8
Malignant Neoplasms (140-208).....	178.7	-	3.5	5.2	5.3	12.8	42.1	153.4	383.2	722.6	1,098.6	1,366.0
Male.....	199.4	-	4.1	5.7	7.3	12.6	34.8	165.7	454.9	968.7	1,606.1	2,128.3
Female.....	158.9	-	2.9	4.8	3.2	13.0	49.2	141.7	318.5	532.5	804.3	1,031.9
Cerebrovascular Disease (430-438).....	84.0	5.0	0.7	-	0.7	1.9	6.0	16.4	51.8	192.6	740.5	2,188.0
Male.....	68.8	9.7	-	-	0.4	2.1	6.5	17.7	55.0	223.6	827.7	2,265.6
Female.....	98.5	-	1.5	-	0.9	1.6	5.6	15.2	48.9	168.6	689.9	2,154.0
Accidents (E800-E949).....	52.3	30.1	29.8	16.0	67.5	46.7	40.5	40.2	49.6	60.5	130.8	319.8
Male.....	73.7	39.0	30.4	21.0	105.5	77.9	63.1	54.0	73.6	83.4	189.1	431.5
Female.....	31.7	20.7	29.2	10.7	27.4	14.6	18.3	27.0	27.8	42.9	97.0	270.9
Pneumonia and Influenza (480-487).....	28.3	22.6	2.8	0.3	0.7	1.6	2.0	5.2	15.5	44.4	213.3	908.7
Male.....	26.4	29.2	2.8	0.6	0.9	2.1	2.4	5.3	17.7	64.8	296.0	1,029.8
Female.....	30.1	15.5	2.9	-	0.5	1.1	1.6	5.1	13.5	28.6	165.3	855.6

*Rates Per 100,000 population.

Residence data.

Age-Adjusted Death Rates

Table 24 compares the crude and age-adjusted death rates for the five leading causes of death in Kansas with the estimated death rates for those causes in the United States, for the three-year period, 1979-1981. The Kansas age-adjusted death rates are lower than the corresponding crude rates for Kansas for all five causes. The age-adjusted rates are also lower than the rates estimated for the United States, with the exception of accidental deaths. This is indicative of the fact that Kansas has an older population than the United States as a whole. The Kansas age-adjusted death rate shows that if the population of Kansas had an age distribution like that of the United States, the Kansas death rate would compare very favorably with the national rate.

Figure 25 compares crude death rates and age-adjusted death rates by sex of decedent for the five leading causes of death in Kansas, 1979-1981. Overall, the age-adjusted rates are lower than the crude rates for both males and females. The male age-adjusted rate is greater than that of females for heart disease (328.8 and 259.8, respectively), malignant neoplasms (181.7 and 142.7), and accidents (71.5 and 29.2); while the age-adjusted death rate for females is still higher than males for cerebrovascular disease (77.9 and 57.5, respectively) and pneumonia and influenza (23.2 and 21.8).

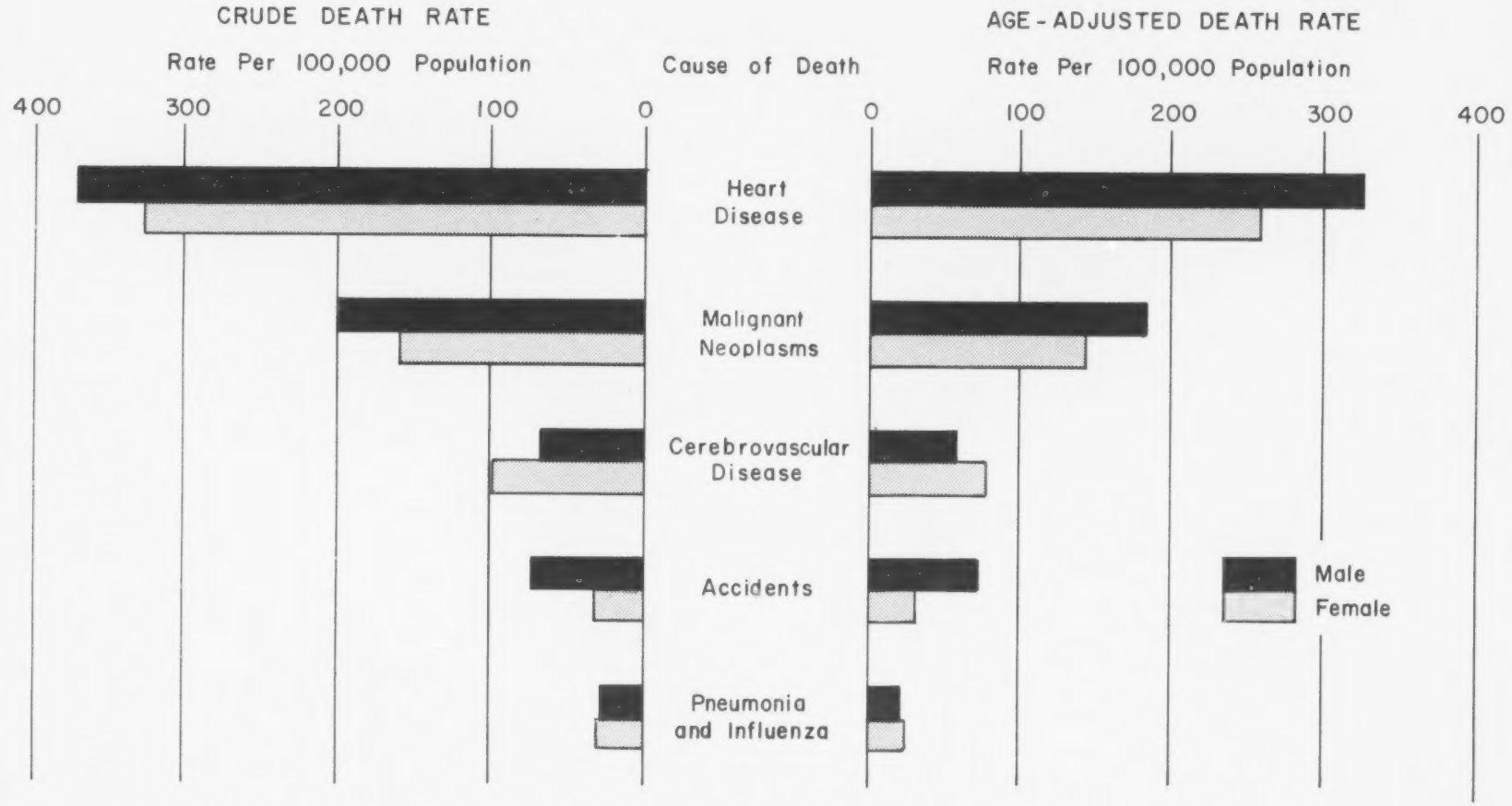
Table 24
Death Rates for Selected Causes of Death
Kansas and the United States, 1979-1981

Cause of Death (ICD Code)	Kansas		United States** (Estimates)
	Age-Adjusted Death Rate	Crude Death Rate	Death Rate
All Causes	786.1	910.3	859.7
Heart Disease (390-398, 402, 404-429)	291.2	347.1	328.2
Malignant Neoplasms (140-208)	161.7	178.7	181.5
Cerebrovascular Disease (430-438)	68.0	84.0	73.3
Accidents (E800-E949)	50.1	52.3	45.0
Pneumonia and Influenza (480-487)	22.5	28.3	22.1

**United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.

Residence data.

CRUDE AND AGE-ADJUSTED DEATH RATES FOR SELECTED CAUSES OF DEATH BY SEX KANSAS, 1979-1981



Residence data.

Figure 25

Table 25 gives both the crude and age-adjusted death rates for Kansas counties, 1979-1981. Age-adjusted rates tend to be lower than crude death rates for counties with an older population, (Elk) and are higher than the crude rates for counties with a large percentage of young residents (Riley). For example, during the three-year period 1979-1981, Riley County had the lowest crude death rate (4.0) in the State, and Elk County had the highest crude rate of 16.1. However, when the age distribution of the county population is taken into account, Riley County has an age-adjusted rate of 7.1, and Elk County's rate is adjusted to 7.6. Although Elk County still has a higher death rate than Riley County, the gap between the two rates has been lowered dramatically.

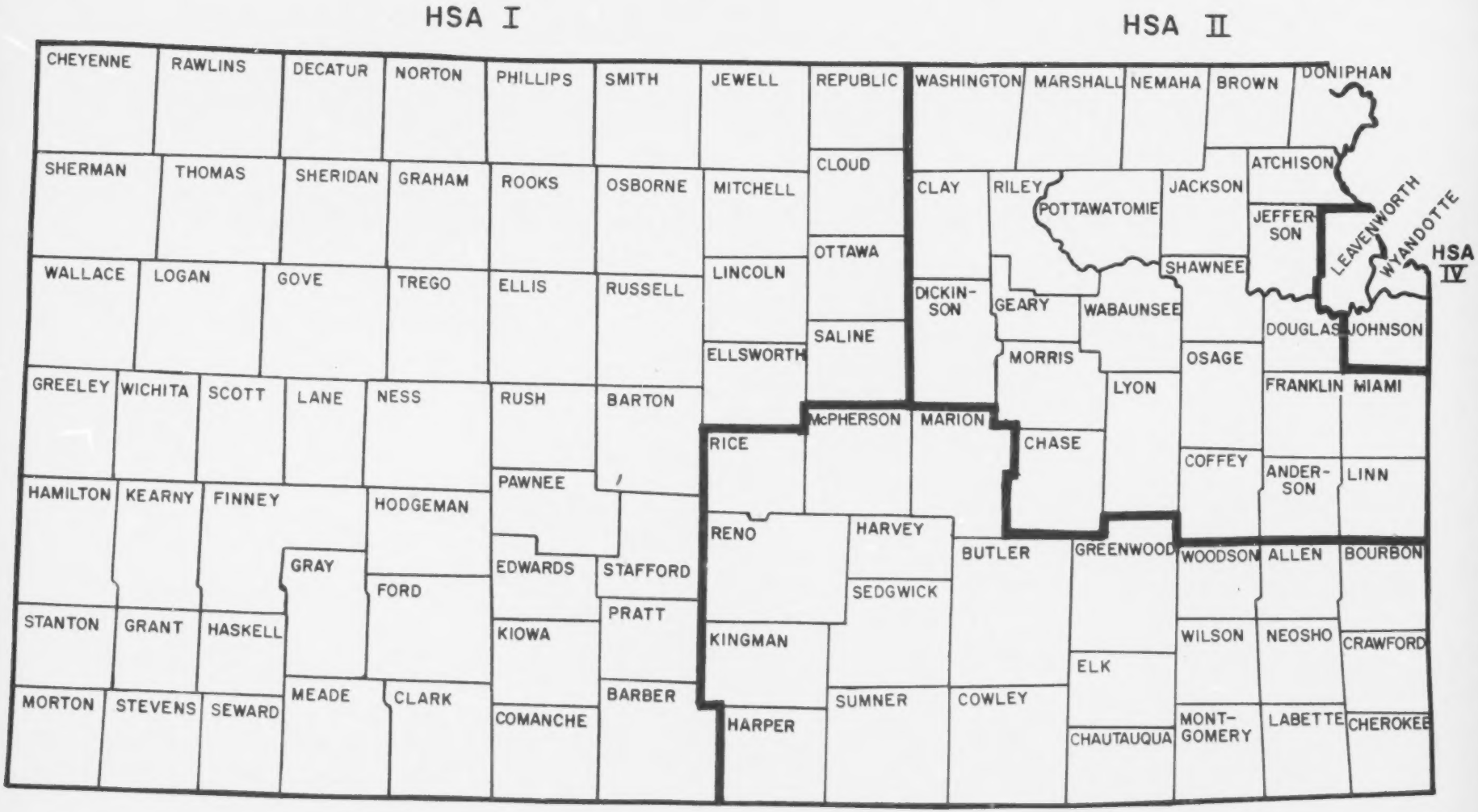
The age-adjusted death rates for Kansas counties ranged from a low of 6.2 per 1,000 population in Comanche and Scott Counties, to a high of 9.8 in Cherokee County. Wyandotte County, with an age-adjusted death rate of 9.7, and Cherokee County are the only Kansas counties with age-adjusted death rates of over 9.0.

Table 25
Crude and Age-Adjusted Death Rates
By County of Residence
Kansas, 1979-1981

County of Residence	Death Rate		County of Residence	Death Rate	
	Crude	Age-Adjusted		Crude	Age-Adjusted
Kansas.....	9.1	7.9			
Allen.....	14.1	9.0	Lyon.....	8.5	7.8
Anderson.....	13.6	7.8	Marion.....	11.9	6.3
Atchison.....	11.1	8.5	Marshall.....	14.7	8.5
Barber.....	13.6	8.7	McPherson.....	10.0	6.8
Barton.....	9.5	8.1	Meade.....	9.8	6.7
Bourbon.....	14.1	8.5	Miami.....	10.1	7.7
Brown.....	14.0	7.5	Mitchell.....	13.1	7.5
Butler.....	9.0	8.0	Montgomery.....	12.5	8.6
Chase.....	14.9	7.3	Morris.....	15.8	7.9
Chautauqua.....	14.0	7.2	Morton.....	7.0	8.0
Cherokee.....	13.5	9.8	Nemaha.....	10.9	6.5
Cheyenne.....	12.8	7.6	Neosho.....	12.0	7.9
Clark.....	12.6	6.6	Ness.....	12.3	7.5
Clay.....	14.4	7.8	Norton.....	13.5	7.9
Cloud.....	14.4	7.4	Osage.....	11.8	8.2
Coffey.....	12.7	8.0	Osborne.....	14.9	7.4
Comanche.....	12.0	6.2	Ottawa.....	12.8	7.0
Cowley.....	11.4	8.1	Pawnee.....	11.7	8.3
Crawford.....	13.0	8.2	Phillips.....	12.8	7.0
Decatur.....	14.4	7.5	Pottawatomie...	9.6	7.4
Dickinson.....	11.9	6.9	Pratt.....	12.0	7.8
Doniphan.....	11.1	7.7	Rawlins.....	11.2	7.5
Douglas.....	5.3	7.1	Reno.....	9.0	7.4
Edwards.....	12.1	7.1	Republic.....	16.1	7.5
Elk.....	16.1	7.6	Rice.....	12.5	7.9
Ellis.....	6.3	7.0	Riley.....	4.0	7.1
Ellsworth.....	13.1	7.3	Rooks.....	12.6	8.0
Finney.....	6.4	7.8	Rush.....	14.7	8.0
Ford.....	8.5	7.6	Russell.....	12.7	8.0
Franklin.....	10.1	7.0	Saline.....	8.3	7.6
Geary.....	6.4	8.6	Scott.....	6.9	6.2
Gove.....	9.9	7.7	Sedgwick.....	7.5	8.3
Graham.....	10.3	7.3	Seward.....	7.3	8.9
Grant.....	5.7	8.1	Shawnee.....	8.5	7.7
Gray.....	8.8	7.8	Sheridan.....	9.9	6.8
Greeley.....	10.3	8.9	Sherman.....	9.5	7.9
Greenwood.....	14.1	7.6	Smith.....	15.4	7.1
Hamilton.....	12.6	8.6	Stafford.....	13.8	7.1
Harper.....	13.3	7.0	Stanton.....	6.1	6.9
Harvey.....	9.1	6.5	Stevens.....	8.0	7.4
Haskell.....	6.4	7.6	Sumner.....	12.3	8.4
Hodgeman.....	12.6	8.3	Thomas.....	7.6	7.0
Jackson.....	10.6	8.0	Trego.....	12.1	8.0
Jefferson.....	9.0	7.0	Wabaunsee.....	11.2	6.9
Jewell.....	14.4	7.5	Wallace.....	10.1	8.1
Johnson.....	5.5	7.2	Washington.....	14.1	7.1
Kearny.....	7.0	8.5	Wichita.....	8.7	8.9
Kingman.....	11.8	7.6	Wilson.....	13.6	8.4
Kiowa.....	11.2	7.3	Woodson.....	15.4	7.9
Labette.....	11.6	8.0	Wyandotte.....	10.1	9.7
Lane.....	10.2	7.5			
Leavenworth....	7.6	8.6			
Lincoln.....	14.1	6.5			
Linn.....	13.5	8.2			
Logan.....	12.4	8.6			

APPENDIX

HEALTH SERVICE AREAS*
KANSAS



NOTE:

HSA IV includes Cass, Clay, Jackson, Platte and Ray counties in Missouri.

*Current Health Service Area alignment was effective April 11, 1977.

Figure 26

Table 26
Vital Statistics by Health Service Area
Kansas, 1981

Vital Statistic	Kansas	HSA I	HSA II	HSA III	HSA IV
Population.....	2,389,202	425,153	604,006	852,379	507,664
Population Density.....	29.2	9.2	37.5	46.1	464.0
Live Births.....	41,202	7,499	10,335	14,862	8,506
Birth Rate.....	17.2	17.6	17.1	17.4	16.8
Premature Births.....	2,575	445	641	979	510
Premature Birth Ratio.	6.2	5.9	6.2	6.6	6.0
Out-of-Wedlock Births...	5,086	601	1,111	1,901	1,473
Out-of-Wedlock Birth Ratio.....	12.3	8.0	10.7	12.8	17.3
Induced Abortions*.....	6,291	533	1,903	1,635	2,219
Abortion Ratio.....	152.7	71.1	184.1	110.0	260.9
Fetal Deaths.....	316	71	94	99	52
Fetal Death Rate.....	7.6	9.4	9.0	6.6	6.1
Hebdomadal Deaths.....	264	59	58	98	49
Perinatal Deaths.....	580	130	152	197	101
Infant Deaths.....	452	98	96	163	95
Maternal Deaths.....	6	-	2	2	2
Deaths (Total).....	21,579	4,364	5,242	8,278	3,695
Death Rate.....	9.0	10.3	8.7	9.7	7.3
Marriages.....	26,137	4,858	6,526	9,783	4,970
Marriage Rate.....	10.9	11.4	10.8	11.5	9.8
Divorces and Annulments.	13,737	2,349	3,044	6,081	2,263
Divorce and Annulment Rate.....	5.7	5.5	5.0	7.1	4.5

*One abortion by county of residence unknown.
Residence data are presented for births, deaths and abortions.
Occurrence data are presented for marriages, divorces and annulments.

Table 27
Selected Causes of Death by Health Service Area
Kansas, 1981

Cause of Death (ICD Code)	Kansas		HSA I		HSA II		HSA III		HSA IV	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes	21,579	903.2	4,364	1026.5	5,242	867.9	8,278	971.2	3,695	727.8
Tuberculosis (010-018)	13	0.5	-	-	3	0.5	9	1.1	1	0.2
Septicemia (038)	103	4.3	25	5.9	30	5.0	26	3.1	22	4.3
Malignant Neoplasms (140-208)	4,274	178.9	845	198.8	958	158.6	1,670	195.9	801	157.8
Diabetes Mellitus (250)	389	16.3	89	20.9	102	16.9	151	17.7	47	9.3
Heart Disease (390-398, 402, 404-429)	8,140	340.7	1,705	401.0	2,035	336.9	3,152	369.8	1,248	245.8
Hypertension (401, 403)	67	2.8	12	2.8	16	2.6	26	3.1	13	2.6
Cerebrovasular Disease (430-438)	1,878	78.6	380	89.4	494	81.8	751	88.1	253	49.8
Atherosclerosis (440)	413	17.3	84	19.8	134	22.2	155	18.2	40	7.9
Pneumonia and Influenza (480-487)	655	27.4	136	32.0	204	33.8	216	25.3	99	19.5
Emphysema (492)	138	5.8	34	8.0	26	4.3	55	6.5	23	4.5
Ulcer of Stomach and Duodenum (531-533)	82	3.4	13	3.1	18	3.0	37	4.3	14	2.8
Chronic Liver Disease and Cirrhosis (571)	208	8.7	38	8.9	37	6.1	84	9.9	49	9.7
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	216	9.0	43	10.1	38	6.3	96	11.3	39	7.7
Congenital Anomalies (740-759)	165	6.9	31	7.3	35	5.8	59	6.9	40	7.9
Certain Conditions Originating in the Perinatal Period (760-779)	227	9.5	50	11.8	52	8.6	86	10.1	39	7.7
Motor-Vehicle Accidents (E810-E825)	597	25.0	120	28.2	133	22.0	239	28.0	105	20.7
Nonmotor-Vehicle Accidents (E800-E807, E826-E949)	646	27.0	128	30.1	164	27.2	215	25.2	139	27.4
Suicide (E950-E959)	271	11.3	48	11.3	61	10.1	86	10.1	76	15.0
Homicide (E960-E969)	161	6.7	14	3.3	28	4.6	64	7.5	55	10.8
All Other Causes (residual)	2,936	122.9	569	133.8	674	111.6	1,101	129.2	592	116.6

Residence data.

Table 28
Population by County
Kansas, 1977-1981

County of Residence	Year				
	1977	1978	1979	1980	1981
Kansas	2,341,261	2,359,262	2,362,075	2,363,208	2,389,202
Allen	15,668	16,019	16,104	15,654	16,100
Anderson	8,314	8,332	8,597	8,749	8,761
Atchison	21,494	20,562	17,686	18,397	17,945
Barber	6,659	6,614	6,515	6,548	6,534
Barton	37,090	37,881	31,934	31,343	31,943
Bourbon	16,750	16,613	16,003	15,969	16,222
Brown	12,956	12,658	11,699	11,955	12,053
Butler	42,140	44,211	43,687	44,782	45,886
Chase	3,406	3,343	3,511	3,309	3,314
Chautauqua	5,046	5,056	4,649	5,016	4,974
Cherokee	22,507	23,789	21,628	22,304	22,181
Cheyenne	4,016	3,976	3,928	3,678	3,727
Clark	2,757	2,716	2,858	2,599	2,622
Clay	10,035	10,015	10,134	9,802	10,008
Cloud	14,076	13,850	12,738	12,494	12,521
Coffey	8,016	8,094	8,743	9,370	9,599
Comanche	2,854	2,685	2,756	2,554	2,539
Cowley	35,381	35,304	35,010	36,824	36,748
Crawford	37,934	38,233	37,373	37,916	37,728
Decatur	4,933	4,880	5,072	4,509	4,623
Dickinson	22,570	22,687	20,993	20,175	20,353
Doniphan	10,015	9,728	9,016	9,268	9,199
Douglas	62,842	65,852	67,715	67,640	67,644
Edwards	4,456	4,385	4,564	4,271	4,348
Elk	4,004	4,011	3,968	3,918	4,054
Ellis	25,108	25,528	27,258	26,098	26,781
Ellsworth	7,288	7,104	6,334	6,640	6,680
Finney	26,195	28,757	24,635	23,825	24,462
Ford	25,009	25,015	24,199	24,315	24,530
Franklin	21,280	21,399	20,960	21,813	21,826
Geary	23,415	23,275	29,368	29,852	30,189
Gove	3,985	3,922	3,970	3,726	3,843
Graham	4,498	4,488	4,246	3,995	4,058
Grant	7,342	7,253	7,582	6,977	7,379
Gray	5,231	5,165	5,445	5,138	5,260
Greeley	2,198	2,091	1,886	1,845	1,890
Greenwood	9,091	8,916	9,402	8,764	8,480
Hamilton	3,139	3,075	2,987	2,514	2,718
Harper	8,029	8,021	7,930	7,778	7,960
Harvey	28,890	28,748	29,981	30,531	30,862
Haskell	4,193	4,117	4,245	3,814	4,146
Hodgeman	2,650	2,578	2,555	2,269	2,359
Jackson	11,651	11,609	12,317	11,644	11,853
Jefferson	13,943	14,119	14,711	15,207	15,770
Jewell	5,859	5,794	5,735	5,241	5,242
Johnson	250,947	256,259	267,254	270,269	278,863
Kearny	3,399	3,455	3,809	3,435	3,544
Kingman	10,070	9,758	8,998	8,960	9,065
Kiowa	4,256	4,161	4,170	4,046	3,918
Labette	25,092	24,985	25,543	25,682	25,843
Lane	2,857	2,790	2,687	2,472	2,522
Leavenworth	51,765	52,354	55,221	54,809	54,919
Lincoln	4,749	4,629	4,556	4,145	4,147
Linn	8,300	8,515	8,864	8,234	8,351
Logan	3,899	3,778	3,656	3,670	3,583

Table 28 (cont.)
Population by County
Kansas, 1977-1981

County of Residence	Year				
	1977	1978	1979	1980	1981
Lyon	34,277	36,192	34,535	35,108	35,358
Marion	16,518	16,219	13,289	13,522	13,454
Marshall	13,568	13,427	13,674	12,720	12,596
McPherson	25,783	26,045	26,243	26,855	27,138
Meade	5,088	5,023	5,187	4,788	4,833
Miami	21,234	21,934	22,371	21,618	21,632
Mitchell	8,046	8,122	8,121	8,117	8,252
Montgomery	43,493	43,948	40,538	42,281	42,433
Morris	6,885	6,773	6,935	6,419	6,435
Morton	3,492	3,464	3,641	3,454	3,537
Nemaha	12,082	12,001	11,456	11,211	11,064
Neosho	17,862	18,245	18,770	18,967	19,014
Ness	4,799	4,689	4,735	4,498	4,456
Norton	7,097	7,273	6,602	6,689	6,575
Osage	13,798	14,261	14,698	15,319	15,424
Osborne	6,323	6,239	6,349	5,959	5,829
Ottawa	6,373	6,330	6,416	5,971	6,071
Pawnee	7,970	7,825	8,492	8,065	7,934
Phillips	8,330	8,009	7,802	7,406	7,499
Pottawatomie	13,693	14,376	14,284	14,782	15,269
Pratt	9,792	9,752	10,216	10,275	10,468
Rawlins	4,257	4,166	4,278	4,105	3,947
Reno	65,092	65,548	64,181	64,983	65,479
Republic	8,267	8,165	7,531	7,569	7,497
Rice	12,006	11,940	12,380	11,900	11,685
Riley	41,983	41,827	67,463	63,505	65,530
Rooks	7,281	7,398	7,321	7,006	6,600
Rush	5,115	4,957	4,861	4,516	4,492
Russell	9,484	9,404	9,097	8,868	8,438
Saline	48,473	47,318	50,789	48,905	50,814
Scott	6,933	6,624	6,234	5,782	6,021
Sedgwick	341,660	341,881	352,081	366,531	364,973
Seward	17,094	17,332	17,223	17,071	17,449
Shawnee	177,960	180,034	158,229	154,916	158,553
Sheridan	3,820	3,843	3,995	3,544	3,725
Sherman	8,518	8,130	8,135	7,759	7,846
Smith	6,529	6,431	6,439	5,947	6,046
Stafford	6,140	6,185	6,393	5,539	5,596
Stanton	2,740	2,495	2,738	2,339	2,542
Stevens	4,754	4,728	4,987	4,736	4,996
Sumner	24,166	24,371	24,396	24,928	25,200
Thomas	8,335	8,225	8,742	8,451	8,532
Trego	4,543	4,433	4,531	4,165	4,113
Wabaunsee	6,816	6,771	7,093	6,867	6,864
Wallace	2,269	2,232	2,142	2,045	2,048
Washington	9,065	9,056	9,045	8,543	8,416
Wichita	3,471	3,369	3,360	3,041	3,078
Wilson	12,380	13,205	12,058	12,128	12,468
Woodson	4,700	4,713	4,154	4,600	4,432
Wyandotte	180,781	181,304	170,446	172,335	173,882

Sources: Kansas Board of Agriculture/County Appraisers (1977-1978)
Bureau of Registration and Health Statistics (1979, 1981)
United States Bureau of the Census (1980)

Table 29
Live Births by Number and Rate
By County of Residence
Kansas, 1977-1981

County of Residence	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	36,827	15.7	36,581	15.5	38,916	16.5	40,686	17.2	41,202	17.2
Allen.....	265	16.9	228	14.2	256	15.9	273	17.4	239	14.8
Anderson.....	118	14.2	133	16.0	110	12.8	147	16.8	137	15.6
Atchison.....	275	12.8	287	14.0	275	15.5	270	14.7	305	17.0
Barber.....	94	14.1	84	12.7	112	17.2	106	16.2	134	20.5
Barton.....	496	13.4	544	14.4	522	16.3	544	17.4	619	19.4
Bourbon.....	233	13.9	223	13.4	245	15.3	259	16.2	230	14.2
Brown.....	177	13.7	196	15.5	201	17.2	188	15.7	133	15.2
Butler.....	623	14.8	688	15.6	641	14.7	753	16.8	752	16.4
Chase.....	34	10.0	47	14.1	48	13.7	44	13.3	48	14.5
Chautauqua.....	43	8.5	41	8.1	63	13.6	63	12.6	68	13.7
Cherokee.....	305	13.6	303	12.7	326	15.1	306	13.7	310	14.0
Cheyenne.....	56	13.9	54	13.6	45	11.5	44	12.0	52	14.0
Clark.....	26	9.4	23	8.5	30	10.5	30	11.5	33	12.6
Clay.....	133	13.3	151	15.1	146	14.4	145	14.8	127	12.7
Cloud.....	184	13.1	169	12.2	170	13.3	177	14.2	186	14.9
Coffey.....	112	14.0	115	14.2	174	19.9	161	17.2	144	15.0
Comanche.....	24	8.4	24	8.9	38	13.8	39	15.3	33	13.0
Cowley.....	513	14.5	526	14.9	568	16.2	599	16.3	588	16.0
Crawford.....	480	12.7	447	11.7	537	14.4	538	14.2	546	14.5
Decatur.....	53	10.7	55	11.3	74	14.6	60	13.3	83	18.0
Dickinson.....	302	13.4	301	13.3	294	14.0	251	12.4	271	13.3
Doniphan.....	125	12.5	135	13.9	143	15.9	181	19.5	145	15.8
Douglas.....	807	12.8	891	13.5	899	13.3	964	14.3	1,030	15.2
Edwards.....	70	15.7	60	13.7	65	14.2	61	14.3	65	14.9
Elk.....	47	11.7	34	8.5	63	15.9	36	9.2	48	11.8
Ellis.....	441	17.6	492	19.3	447	16.4	480	18.4	503	18.8
Ellsworth.....	81	11.1	80	11.3	105	16.6	101	15.2	85	12.7
Finney.....	494	18.9	501	17.4	541	22.0	590	24.8	577	23.6
Ford.....	428	17.1	425	17.0	453	18.7	509	20.9	517	21.1
Franklin.....	348	16.4	297	13.9	348	16.6	325	14.9	325	14.9
Geary.....	1,318	56.3	1,328	57.1	1,282	43.7	1,272	42.6	1,372	45.4
Gove.....	55	13.8	82	20.9	60	15.1	60	16.1	64	16.7
Graham.....	70	15.6	64	14.3	58	13.7	58	14.5	70	17.2
Grant.....	158	21.5	178	24.5	156	20.6	180	25.8	152	20.6
Gray.....	117	22.4	93	18.0	86	15.8	100	19.5	110	20.9
Greeley.....	45	20.5	30	14.3	46	24.4	42	22.8	43	22.8
Greenwood.....	123	13.5	107	12.0	102	10.8	109	12.4	115	13.6
Hamilton.....	27	8.6	35	11.4	34	11.4	36	14.3	40	14.7
Harper.....	107	13.3	78	9.7	102	12.9	116	14.9	96	12.1
Harvey.....	426	14.7	443	15.4	461	15.4	531	17.4	487	15.8
Haskell.....	91	21.7	91	22.1	84	19.8	97	25.4	72	17.4
Hodgeman.....	32	12.1	29	11.2	35	13.7	37	16.3	35	14.8
Jackson.....	208	17.9	167	14.4	211	17.1	176	15.1	183	15.4
Jefferson.....	208	14.9	202	14.3	224	15.2	252	16.6	223	14.1
Jewell.....	88	15.0	75	12.9	81	14.1	66	12.6	81	15.5
Johnson.....	3,625	14.4	3,560	13.9	3,898	14.6	4,032	14.9	4,122	14.8
Kearny.....	72	21.2	81	23.4	67	17.6	79	23.0	100	28.2
Kingman.....	121	12.0	117	12.0	131	14.6	136	15.2	151	16.7
Kiowa.....	63	14.8	56	13.5	55	13.2	70	17.3	71	18.1
Labette.....	370	14.7	352	14.1	376	14.7	427	16.6	416	16.1
Lane.....	49	17.2	41	14.7	41	15.3	40	16.2	40	15.9
Leavenworth....	725	14.0	785	15.0	760	13.8	777	14.2	827	15.1
Lincoln.....	43	9.1	60	13.0	60	13.2	51	12.3	69	16.6
Linn.....	119	14.3	105	12.3	127	14.3	126	15.3	117	14.0
Logan.....	60	15.9	58	15.9	66	18.0	60	17.3	63	17.6

Table 29 (cont.)
Live Births by Number and Rate
By County of Residence
Kansas, 1977-1981

County of Residence	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	570	16.6	575	15.9	628	18.2	653	18.6	671	19.0
Marion	151	9.1	175	10.8	167	12.6	171	12.6	174	12.9
Marshall	194	14.3	185	13.8	177	12.9	193	15.2	211	16.8
McPherson	381	14.8	400	15.4	419	16.0	422	15.7	419	15.4
Meade	79	15.5	73	14.5	92	17.7	83	17.3	79	16.3
Miami	326	15.4	295	13.4	315	14.1	321	14.8	328	15.2
Mitchell	130	16.2	118	14.5	131	16.1	134	16.5	128	15.5
Montgomery	620	14.3	611	13.9	672	16.6	703	16.6	691	16.3
Morris	90	13.1	78	11.5	104	15.0	77	12.0	89	13.8
Morton	72	20.6	48	13.9	60	16.5	70	20.3	73	20.6
Nemaha	189	15.6	174	14.5	193	16.8	190	16.9	211	19.1
Neosho	282	15.8	279	15.3	269	14.3	291	15.3	333	17.5
Ness	71	14.8	75	16.0	83	17.5	82	18.2	86	19.3
Norton	93	13.1	72	9.9	84	12.7	95	14.2	89	13.5
Osage	214	15.5	183	12.8	238	16.2	235	15.3	222	14.4
Osborne	78	12.3	63	10.1	88	13.9	77	12.9	87	14.9
Ottawa	83	13.0	76	12.0	87	13.6	87	14.6	68	11.2
Pawnee	138	17.3	109	13.9	112	13.2	135	16.7	131	16.5
Phillips	91	10.9	92	11.5	110	14.1	106	14.3	101	13.5
Pottawatomie	241	17.6	258	17.9	258	18.1	273	18.5	302	19.8
Pratt	144	14.7	164	16.8	149	14.6	182	17.7	167	16.0
Rawlins	64	15.0	62	14.9	60	14.0	66	16.1	72	18.2
Reno	999	15.3	1,002	15.3	968	15.1	1,114	17.1	992	15.1
Republic	107	12.9	74	9.1	97	12.9	96	12.7	97	12.9
Rice	190	15.8	187	15.7	186	15.0	183	15.4	187	16.0
Riley	886	21.1	863	20.6	899	13.3	944	14.9	1,008	15.4
Rooks	122	16.8	111	15.0	110	15.0	112	16.0	129	19.5
Rush	60	11.7	55	11.1	61	12.5	71	15.7	63	14.0
Russell	118	12.4	120	12.8	139	15.3	132	14.9	135	16.0
Saline	738	15.2	742	15.7	745	14.7	813	16.6	804	15.8
Scott	106	15.3	107	16.2	100	16.0	95	16.4	102	16.9
Sedgwick	6,138	18.0	6,031	17.6	6,735	19.1	7,094	19.4	7,378	20.2
Seward	344	20.1	345	19.9	357	20.7	404	23.7	407	23.3
Shawnee	2,297	12.9	2,319	12.9	2,508	15.9	2,588	16.7	2,490	15.7
Sheridan	62	16.2	64	16.7	60	15.0	60	16.9	62	16.6
Sherman	147	17.3	131	16.1	127	15.6	138	17.8	122	15.5
Smith	79	12.1	85	13.2	71	11.0	79	13.3	75	12.4
Stafford	76	12.4	86	13.9	86	13.5	74	13.4	98	17.5
Stanton	58	21.2	35	14.0	52	19.0	54	23.1	49	19.3
Stevens	92	19.4	90	19.0	107	21.5	89	18.8	74	14.8
Sumner	365	15.1	342	14.0	393	16.1	432	17.3	420	16.7
Thomas	158	19.0	149	18.1	164	18.8	146	17.3	132	15.5
Trego	62	13.6	62	14.0	67	14.8	63	15.1	76	18.5
Wabaunsee	79	11.6	94	13.9	101	14.2	95	13.8	88	12.8
Wallace	40	17.6	38	17.0	37	17.3	41	20.0	39	19.0
Washington	103	11.4	126	13.9	126	13.9	113	13.2	105	12.5
Wichita	77	22.2	71	21.1	58	17.3	62	20.4	57	18.5
Wilson	176	14.2	167	12.6	197	16.3	180	14.8	158	12.7
Woodson	60	12.8	56	11.9	62	14.9	72	15.7	64	14.4
Wyandotte	3,080	17.0	3,093	17.1	3,265	19.2	3,522	20.4	3,557	20.5

Table 30
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1981

County of Residence	Total	Age Group of Mother									
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	N.S.
Kansas.....	41,202	56	5,739	15,170	13,085	5,743	1,202	192	11	1	3
Allen.....	239	-	35	88	82	28	4	1	-	-	1
Anderson.....	137	-	22	51	39	21	4	-	-	-	-
Atchison.....	305	-	36	115	90	47	14	3	-	-	-
Barber.....	134	-	27	51	33	19	3	1	-	-	-
Barton.....	619	1	83	237	210	74	11	3	-	-	-
Bourbon.....	230	-	36	77	81	30	6	-	-	-	-
Brown.....	183	-	31	76	50	19	5	2	-	-	-
Butler.....	752	-	88	320	219	95	27	3	-	-	-
Chase.....	48	1	6	14	18	5	4	-	-	-	-
Chautauqua....	68	-	16	24	17	9	2	-	-	-	-
Cherokee.....	310	-	64	128	78	31	7	2	-	-	-
Cheyenne.....	52	-	6	23	16	6	1	-	-	-	-
Clark.....	33	-	7	12	7	5	2	-	-	-	-
Clay.....	127	-	21	30	53	19	2	2	-	-	-
Cloud.....	186	-	23	71	64	26	2	-	-	-	-
Coffey.....	144	-	16	56	44	23	4	1	-	-	-
Comanche.....	33	-	8	13	6	6	-	-	-	-	-
Cowley.....	588	-	92	244	173	68	10	1	-	-	-
Crawford.....	546	-	90	213	175	58	10	-	-	-	-
Decatur.....	83	-	9	35	27	10	1	1	-	-	-
Dickinson.....	271	-	35	108	82	38	4	4	-	-	-
Doniphan.....	145	-	29	54	45	14	3	-	-	-	-
Douglas.....	1,030	1	102	345	370	167	39	6	-	-	-
Edwards.....	65	-	9	28	20	8	-	-	-	-	-
Elk.....	48	1	10	19	9	6	2	1	-	-	-
Ellis.....	503	-	58	165	178	78	21	3	-	-	-
Ellsworth.....	85	-	9	25	29	19	3	-	-	-	-
Finney.....	577	2	95	219	180	62	17	2	-	-	-
Ford.....	517	-	77	201	159	67	9	4	-	-	-
Franklin.....	325	-	56	126	103	31	9	-	-	-	-
Geary.....	1,372	4	264	695	290	103	14	1	-	-	1
Gove.....	64	-	4	25	27	7	1	-	-	-	-
Graham.....	70	-	15	24	20	9	2	-	-	-	-
Grant.....	152	-	24	59	45	19	4	1	-	-	-
Gray.....	110	-	5	46	36	14	5	4	-	-	-
Greeley.....	43	-	6	16	15	5	1	-	-	-	-
Greenwood.....	115	-	18	42	40	13	1	1	-	-	-
Hamilton.....	40	-	7	12	14	6	1	-	-	-	-
Harper.....	96	-	8	35	29	17	5	2	-	-	-
Harvey.....	487	-	54	176	171	70	13	3	-	-	-
Haskell.....	72	-	15	21	26	9	-	1	-	-	-
Hodgeman.....	35	-	2	18	10	1	4	-	-	-	-
Jackson.....	183	-	26	71	54	27	4	1	-	-	-
Jefferson.....	223	-	27	79	76	31	9	1	-	-	-
Jewell.....	81	-	8	28	36	6	3	-	-	-	-
Johnson.....	4,122	4	288	996	1,658	983	169	22	2	-	-
Kearny.....	100	-	20	37	29	12	2	-	-	-	-
Kingman.....	151	-	22	66	43	20	-	-	-	-	-
Kiowa.....	71	-	6	36	18	6	4	1	-	-	-
Labette.....	416	-	72	158	123	46	16	1	-	-	-
Lane.....	40	-	5	13	11	7	4	-	-	-	-
Leavenworth...	827	1	129	266	237	149	39	6	-	-	-
Lincoln.....	69	-	4	24	21	18	2	-	-	-	-
Linn.....	117	-	16	34	41	18	7	1	-	-	-
Logan.....	63	-	5	27	21	9	1	-	-	-	-

Table 30 (cont.)
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1981

County of Residence	Total	Age Group of Mother									
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	N.S.
Lyon.....	671	-	74	260	243	78	16	-	-	-	-
Marion.....	174	-	23	62	56	28	4	1	-	-	-
Marshall.....	211	-	25	77	71	29	7	2	-	-	-
McPherson.....	419	-	29	165	144	65	16	-	-	-	-
Meade.....	79	-	13	40	21	4	1	-	-	-	-
Miami.....	328	-	68	110	102	38	6	4	-	-	-
Mitchell.....	128	-	8	54	37	22	5	2	-	-	-
Montgomery....	691	-	128	284	183	78	16	2	-	-	-
Morris.....	89	-	14	35	26	10	3	1	-	-	-
Morton.....	73	-	10	32	19	9	2	1	-	-	-
Nemaha.....	211	-	19	76	69	27	16	3	1	-	-
Neosho.....	333	-	63	124	98	36	11	1	-	-	-
Ness.....	86	-	10	37	28	9	-	1	1	-	-
Norton.....	89	-	15	32	28	11	2	1	-	-	-
Osage.....	222	-	35	77	70	33	7	-	-	-	-
Osborne.....	87	-	13	28	34	9	3	-	-	-	-
Ottawa.....	68	-	12	24	21	8	3	-	-	-	-
Pawnee.....	131	-	11	45	45	23	7	-	-	-	-
Phillips.....	101	-	9	37	36	16	3	-	-	-	-
Pottawatomie..	302	-	29	111	98	49	13	-	2	-	-
Pratt.....	167	-	20	74	43	29	1	-	-	-	-
Rawlins.....	72	1	3	26	26	15	1	-	-	-	-
Reno.....	992	1	136	371	317	141	23	3	-	-	-
Republic.....	97	-	13	33	31	15	5	-	-	-	-
Rice.....	187	-	22	86	55	14	8	1	1	-	-
Riley.....	1,008	4	125	405	315	135	21	3	-	-	-
Rooks.....	129	-	20	56	34	10	9	-	-	-	-
Rush.....	63	-	9	19	23	10	2	-	-	-	-
Russell.....	135	-	20	53	48	12	2	-	-	-	-
Saline.....	804	-	92	331	253	114	11	3	-	-	-
Scott.....	102	-	19	34	37	12	-	-	-	-	-
Sedgwick.....	7,378	15	1,021	2,720	2,377	1,007	209	29	-	-	-
Seward.....	407	1	93	166	105	30	11	1	-	-	-
Shawnee.....	2,490	4	296	873	862	378	65	11	-	-	1
Sheridan.....	62	-	12	17	21	9	1	2	-	-	-
Sherman.....	122	-	20	42	42	12	6	-	-	-	-
Smith.....	75	-	8	23	28	16	-	-	-	-	-
Stafford.....	98	-	11	38	34	11	4	-	-	-	-
Stanton.....	49	-	8	23	10	7	1	-	-	-	-
Stevens.....	74	-	13	27	21	12	1	-	-	-	-
Sumner.....	420	-	76	180	108	45	7	4	-	-	-
Thomas.....	132	-	19	46	39	18	6	4	-	-	-
Trego.....	76	-	7	32	29	6	2	-	-	-	-
Wabaunsee.....	88	-	6	34	33	11	4	-	-	-	-
Wallace.....	39	-	3	16	12	6	2	-	-	-	-
Washington....	105	-	15	35	37	7	10	1	-	-	-
Wichita.....	57	-	14	23	18	2	-	-	-	-	-
Wilson.....	158	1	29	55	52	15	6	-	-	-	-
Woodson.....	64	1	11	19	20	10	3	-	-	-	-
Wyandotte.....	3,557	13	744	1,431	878	358	103	25	4	1	-

Table 31
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1981

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Kansas.....	5,086	48	2,164	1,903	671	210	73	16	-	1
Allen.....	26	-	10	8	5	2	-	-	-	1
Anderson.....	5	-	4	-	1	-	-	-	-	-
Atchison.....	36	-	13	18	1	2	1	1	-	-
Barber.....	5	-	3	2	-	-	-	-	-	-
Barton.....	53	1	24	16	8	3	1	-	-	-
Bourbon.....	31	-	16	9	5	1	-	-	-	-
Brown.....	22	-	10	9	1	2	-	-	-	-
Butler.....	55	-	23	26	3	2	1	-	-	-
Chase.....	6	-	1	3	1	-	1	-	-	-
Chautauqua.....	6	-	3	2	1	-	-	-	-	-
Cherokee.....	45	-	19	14	7	3	1	1	-	-
Cheyenne.....	3	-	-	2	1	-	-	-	-	-
Clark.....	5	-	4	-	-	-	1	-	-	-
Clay.....	9	-	7	-	2	-	-	-	-	-
Cloud.....	12	-	7	2	3	-	-	-	-	-
Coffey.....	8	-	3	3	1	1	-	-	-	-
Comanche.....	-	-	-	-	-	-	-	-	-	-
Cowley.....	54	-	32	13	6	2	-	1	-	-
Crawford.....	44	-	21	17	4	1	1	-	-	-
Decatur.....	2	-	1	1	-	-	-	-	-	-
Dickinson.....	30	-	10	15	4	-	-	1	-	-
Doniphan.....	16	-	9	5	2	-	-	-	-	-
Douglas.....	114	1	45	46	17	4	1	-	-	-
Edwards.....	5	-	3	2	-	-	-	-	-	-
Elk.....	4	1	-	2	1	-	-	-	-	-
Ellis.....	38	-	19	12	3	3	1	-	-	-
Ellsworth.....	1	-	1	-	-	-	-	-	-	-
Finney.....	59	-	28	19	8	3	1	-	-	-
Ford.....	58	-	17	21	12	6	1	1	-	-
Franklin.....	37	-	19	11	5	1	1	-	-	-
Geary.....	144	4	32	80	21	5	2	-	-	-
Gove.....	1	-	1	-	-	-	-	-	-	-
Graham.....	6	-	3	3	-	-	-	-	-	-
Grant.....	12	-	6	6	-	-	-	-	-	-
Gray.....	4	-	1	3	-	-	-	-	-	-
Greeley.....	3	-	3	-	-	-	-	-	-	-
Greenwood.....	14	-	9	1	3	1	-	-	-	-
Hamilton.....	5	-	4	1	-	-	-	-	-	-
Harper.....	4	-	2	2	-	-	-	-	-	-
Harvey.....	39	-	15	15	8	1	-	-	-	-
Haskell.....	4	-	4	-	-	-	-	-	-	-
Hodgeman.....	2	-	-	2	-	-	-	-	-	-
Jackson.....	12	-	9	2	1	-	-	-	-	-
Jefferson.....	16	-	8	5	2	-	1	-	-	-
Jewell.....	1	-	-	1	-	-	-	-	-	-
Johnson.....	255	4	107	84	43	13	3	1	-	-
Kearny.....	8	-	4	2	1	1	-	-	-	-
Kingman.....	10	-	6	2	1	1	-	-	-	-
Kiowa.....	4	-	3	-	-	-	1	-	-	-
Labette.....	50	-	20	18	10	1	1	-	-	-
Lane.....	1	-	1	-	-	-	-	-	-	-
Leavenworth.....	114	1	54	38	13	4	4	-	-	-
Lincoln.....	-	-	-	-	-	-	-	-	-	-
Linn.....	7	-	5	-	1	1	-	-	-	-
Logan.....	3	-	1	2	-	-	-	-	-	-

Table 31 (cont.)
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1981

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Lyon	54	-	25	20	6	3	-	-	-	-
Marion	7	-	4	2	-	1	-	-	-	-
Marshall	10	-	7	2	-	1	-	-	-	-
McPherson	24	-	9	10	3	2	-	-	-	-
Meade	6	-	4	2	-	-	-	-	-	-
Miami	39	-	23	12	4	-	-	-	-	-
Mitchell	9	-	5	3	1	-	-	-	-	-
Montgomery	91	-	39	34	16	1	1	-	-	-
Morris	3	-	1	1	-	1	-	-	-	-
Morton	9	-	4	2	2	1	-	-	-	-
Nemaha	9	-	6	2	1	-	-	-	-	-
Neosho	34	-	12	14	5	3	-	-	-	-
Ness	2	-	-	2	-	-	-	-	-	-
Norton	8	-	3	2	1	1	-	1	-	-
Osage	16	-	10	3	2	1	-	-	-	-
Osborne	8	-	4	1	2	-	1	-	-	-
Ottawa	4	-	4	-	-	-	-	-	-	-
Pawnee	9	-	2	5	-	2	-	-	-	-
Phillips	5	-	3	2	-	-	-	-	-	-
Pottawatomie	16	-	7	7	2	-	-	-	-	-
Pratt	14	-	5	7	2	-	-	-	-	-
Rawlins	4	1	3	-	-	-	-	-	-	-
Reno	113	1	53	41	12	4	2	-	-	-
Republic	6	-	5	1	-	-	-	-	-	-
Rice	19	-	6	10	2	-	-	1	-	-
Riley	66	4	23	28	5	4	2	-	-	-
Rooks	7	-	4	1	1	-	1	-	-	
Rush	5	-	3	2	-	-	-	-	-	-
Russell	9	-	5	4	-	-	-	-	-	-
Saline	94	-	34	48	10	2	-	-	-	-
Scott	7	-	5	1	1	-	-	-	-	-
Sedgwick	1,181	12	507	441	149	50	19	3	-	-
Seward	50	1	24	18	5	1	1	-	-	-
Shawnee	421	4	151	154	82	23	5	2	-	-
Sheridan	7	-	4	2	1	-	-	-	-	-
Sherman	14	-	5	7	2	-	-	-	-	-
Smith	2	-	1	-	1	-	-	-	-	-
Stafford	6	-	4	1	1	-	-	-	-	-
Stanton	2	-	1	1	-	-	-	-	-	-
Stevens	2	-	1	1	-	-	-	-	-	-
Sumner	34	-	15	14	5	-	-	-	-	-
Thomas	9	-	5	3	-	1	-	-	-	-
Trego	1	-	1	-	-	-	-	-	-	-
Wabaunsee	6	-	2	4	-	-	-	-	-	-
Wallace	1	-	-	-	-	-	1	-	-	-
Washington	9	-	5	4	-	-	-	-	-	-
Wichita	6	-	3	-	3	-	-	-	-	-
Wilson	10	1	4	4	-	-	1	-	-	-
Woodson	6	1	3	2	-	-	-	-	-	-
Wyandotte	1,104	11	460	433	138	44	15	3	-	-

Table 32
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1981

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	6,291	40	2,179	2,219	1,010	530	224	76	7	6
Allen.....	23	-	13	6	2	1	-	1	-	-
Anderson.....	11	-	7	3	1	-	-	-	-	-
Atchison.....	36	-	11	12	6	1	5	1	-	-
Barber.....	10	-	6	2	1	-	1	-	-	-
Barton.....	63	-	28	19	11	3	2	-	-	-
Bourbon.....	29	-	19	8	-	1	1	-	-	-
Brown.....	16	-	7	3	2	2	2	-	-	-
Butler.....	62	1	24	16	12	3	3	3	-	-
Chase.....	3	-	1	-	1	1	-	-	-	-
Chautauqua.....	1	-	1	-	-	-	-	-	-	-
Cherokee.....	11	-	4	3	2	2	-	-	-	-
Cheyenne.....	-	-	-	-	-	-	-	-	-	-
Clark.....	1	-	1	-	-	-	-	-	-	-
Clay.....	7	-	4	1	-	1	1	-	-	-
Cloud.....	15	-	8	2	3	-	-	2	-	-
Coffey.....	22	1	6	7	1	4	2	1	-	-
Comanche.....	5	-	2	3	-	-	-	-	-	-
Cowley.....	56	-	25	14	5	7	4	1	-	-
Crawford.....	89	-	32	37	10	9	1	-	-	-
Decatur.....	1	-	1	-	-	-	-	-	-	-
Dickinson.....	9	-	3	1	4	-	1	-	-	-
Doniphan.....	15	-	9	4	-	1	1	-	-	-
Douglas.....	418	2	125	198	56	25	11	1	-	-
Edwards.....	5	-	3	-	-	2	-	-	-	-
Elk.....	1	-	1	-	-	-	-	-	-	-
Ellis.....	59	1	16	28	9	1	3	1	-	-
Ellsworth.....	4	-	-	2	1	1	-	-	-	-
Finney.....	25	-	7	12	5	-	1	-	-	-
Ford.....	45	1	13	15	9	6	1	-	-	-
Franklin.....	50	1	15	16	5	9	3	1	-	-
Geary.....	59	1	19	24	8	6	-	1	-	-
Gove.....	2	-	-	2	-	-	-	-	-	-
Graham.....	1	-	-	1	-	-	-	-	-	-
Grant.....	12	-	6	3	3	-	-	-	-	-
Gray.....	9	-	2	1	4	1	1	-	-	-
Greeley.....	-	-	-	-	-	-	-	-	-	-
Greenwood.....	6	-	5	-	-	-	1	-	-	-
Hamilton.....	1	-	-	1	-	-	-	-	-	-
Harper.....	8	-	4	2	-	1	1	-	-	-
Harvey.....	52	-	20	21	7	3	-	-	1	-
Haskell.....	5	-	2	2	-	-	1	-	-	-
Hodgeman.....	4	-	1	2	1	-	-	-	-	-
Jackson.....	18	-	5	5	5	3	-	-	-	-
Jefferson.....	22	-	11	5	2	4	-	-	-	-
Jewell.....	2	-	1	1	-	-	-	-	-	-
Johnson.....	1,302	9	447	420	231	127	45	20	2	1
Kearny.....	4	-	1	2	1	-	-	-	-	-
Kingman.....	7	-	3	2	-	2	-	-	-	-
Kiowa.....	1	-	1	-	-	-	-	-	-	-
Labette.....	26	2	10	8	3	2	1	-	-	-
Lane.....	2	-	2	-	-	-	-	-	-	-
Leavenworth.....	166	1	67	55	22	15	4	1	-	1
Lincoln.....	5	-	3	-	-	-	1	1	-	-
Linn.....	14	-	6	7	-	-	1	-	-	-
Logan.....	4	-	2	1	-	1	-	-	-	-

Table 32 (cont.)
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1981

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon	114	1	42	46	15	7	2	1	-	-
Marion	8	-	6	-	2	-	-	-	-	-
Marshall	11	-	4	4	-	-	3	-	-	-
McPherson	36	-	15	10	4	2	2	3	-	-
Meade	6	-	4	1	-	-	1	-	-	-
Miami	72	-	35	18	10	4	3	1	1	-
Mitchell	7	-	4	2	-	1	-	-	-	-
Montgomery	22	-	8	11	1	1	1	-	-	-
Morris	6	-	2	3	1	-	-	-	-	-
Morton	3	-	2	1	-	-	-	-	-	-
Nemaha	7	-	3	4	-	-	-	-	-	-
Neosho	26	-	10	8	3	3	-	2	-	-
Ness	1	-	1	-	-	-	-	-	-	-
Norton	3	-	1	-	1	-	1	-	-	-
Osage	37	-	11	13	6	6	1	-	-	-
Osborne	5	-	3	1	-	-	-	1	-	-
Ottawa	3	-	1	2	-	-	-	-	-	-
Pawnee	11	1	4	4	2	-	-	-	-	-
Phillips	5	-	-	1	3	-	1	-	-	-
Pottawatomie	35	-	14	10	6	4	1	-	-	-
Pratt	20	-	8	6	3	1	1	1	-	-
Rawlins	2	-	1	1	-	-	-	-	-	-
Reno	97	-	40	33	14	4	3	2	-	1
Republic	6	-	3	1	2	-	-	-	-	-
Rice	5	-	2	1	1	-	-	1	-	-
Riley	247	1	62	131	34	16	2	-	-	1
Rooks	5	-	3	-	1	1	-	-	-	-
Rush	3	-	3	-	-	-	-	-	-	-
Russell	7	-	3	1	1	1	-	1	-	-
Saline	94	-	40	39	9	2	3	-	1	-
Scott	2	-	1	-	1	-	-	-	-	-
Sedgwick	1,024	6	307	366	188	94	49	11	2	1
Seward	36	-	13	10	9	3	-	1	-	-
Shawnee	654	3	230	210	119	64	19	8	-	1
Sheridan	-	-	-	-	-	-	-	-	-	-
Sherman	1	-	1	-	-	-	-	-	-	-
Smith	8	-	4	1	1	-	2	-	-	-
Stafford	10	1	5	1	-	-	3	-	-	-
Stanton	3	-	2	1	-	-	-	-	-	-
Stevens	3	-	2	-	-	1	-	-	-	-
Sumner	32	-	14	11	4	1	2	-	-	-
Thomas	2	-	1	-	-	1	-	-	-	-
Trego	2	-	2	-	-	-	-	-	-	-
Wabaunsee	16	-	8	2	4	1	1	-	-	-
Wallace	-	-	-	-	-	-	-	-	-	-
Washington	4	-	4	-	-	-	-	-	-	-
Wichita	-	-	-	-	-	-	-	-	-	-
Wilson	5	-	2	2	-	-	1	-	-	-
Woodson	9	-	4	2	3	-	-	-	-	-
Wyandotte	751	7	234	283	129	67	23	8	-	-
Not Stated	1	-	-	1	-	-	-	-	-	-

Table 33
Perinatal Period III Deaths
By County of Residence
Kansas, 1981

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Kansas.....	580	316	264
Allen.....	3	-	3
Anderson.....	2	-	2
Atchison.....	8	4	4
Barber.....	4	1	3
Barton.....	9	6	3
Bourbon.....	1	1	-
Brown.....	2	2	-
Butler.....	6	5	1
Chase.....	1	1	-
Chautauqua.....	-	-	-
Cherokee.....	2	2	-
Cheyenne.....	3	-	3
Clark.....	1	-	1
Clay.....	3	-	3
Cloud.....	5	2	3
Coffey.....	1	1	-
Comanche.....	1	1	-
Cowley.....	-	-	-
Crawford.....	5	3	2
Decatur.....	-	-	-
Dickinson.....	4	4	-
Doniphan.....	2	2	-
Douglas.....	17	13	4
Edwards.....	-	-	-
Elk.....	1	1	-
Ellis.....	10	8	2
Ellsworth.....	4	4	-
Finney.....	7	1	6
Ford.....	7	1	6
Franklin.....	5	4	1
Geary.....	21	13	8
Gove.....	3	3	-
Graham.....	-	-	-
Grant.....	6	3	3
Gray.....	2	2	-

Table 33 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1981

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Greeley.....	2	1	1
Greenwood.....	4	2	2
Hamilton.....	2	1	1
Harper.....	3	3	-
Harvey.....	5	4	1
Haskell.....	-	-	-
Hodgeman.....	-	-	-
Jackson.....	3	3	-
Jefferson.....	4	2	2
Jewell.....	1	1	-
Johnson.....	46	23	23
Kearny.....	4	1	3
Kingman.....	2	1	1
Kiowa.....	-	-	-
Labette.....	9	5	4
Lane.....	-	-	-
Leavenworth.....	7	4	3
Lincoln.....	1	-	1
Linn.....	1	1	-
Logan.....	1	1	-
Lyon.....	9	7	2
Marion.....	3	-	3
Marshall.....	1	1	-
McPherson.....	6	3	3
Meade.....	1	-	1
Miami.....	5	4	1
Mitchell.....	2	1	1
Montgomery.....	16	11	5
Morris.....	1	-	1
Morton.....	2	1	1
Nemaha.....	5	4	1
Neosho.....	6	5	1
Ness.....	-	-	-
Norton.....	2	2	-
Osage.....	4	1	3

Table 33 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1981

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Osborne.....	1	-	1
Ottawa.....	1	-	1
Pawnee.....	4	4	-
Phillips.....	1	-	1
Pottawatomie....	4	1	3
Pratt.....	1	-	1
Rawlins.....	3	1	2
Reno.....	13	10	3
Republic.....	-	-	-
Rice.....	4	2	2
Riley.....	13	6	7
Rooks.....	4	1	3
Rush.....	-	-	-
Russell.....	-	-	-
Saline.....	16	10	6
Scott.....	3	3	-
Sedgwick.....	103	39	64
Seward.....	3	3	-
Shawnee.....	32	18	14
Sheridan.....	2	1	1
Sherman.....	3	1	2
Smith.....	-	-	-
Stafford.....	2	1	1
Stanton.....	1	1	-
Stevens.....	1	1	-
Sumner.....	3	1	2
Thomas.....	2	2	-
Trego.....	1	1	-
Wabaunsee.....	1	1	-
Wallace.....	-	-	-
Washington.....	3	1	2
Wichita.....	1	-	1
Wilson.....	2	1	1
Woodson.....	-	-	-
Wyandotte.....	48	25	23

Table 34
Infant Deaths by Component
By County of Residence
Kansas, 1981

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Kansas	264	58	322	130	452
Allen	3	-	3	1	4
Anderson	2	-	2	-	2
Atchison	4	-	4	2	6
Barber	3	1	4	-	4
Barton	3	-	3	4	7
Bourbon	-	-	-	1	1
Brown	-	-	-	1	1
Butler	1	1	2	1	3
Chase	-	-	-	-	-
Chautauqua	-	-	-	-	-
Cherokee	-	-	-	-	-
Cheyenne	3	-	3	-	3
Clark	1	-	1	-	1
Clay	3	-	3	-	3
Cloud	3	-	3	1	4
Coffey	-	-	-	-	-
Comanche	-	-	-	-	-
Cowley	-	-	-	5	5
Crawford	2	1	3	2	5
Decatur	-	-	-	-	-
Dickinson	-	-	-	-	-
Doniphan	-	-	-	1	1
Douglas	4	2	6	3	9
Edwards	-	-	-	-	-
Elk	-	-	-	-	-
Ellis	2	-	2	1	3
Ellsworth	-	-	-	-	-
Finney	6	1	7	4	11
Ford	6	2	8	2	10
Franklin	1	-	1	2	3
Geary	8	2	10	6	16
Gove	-	-	-	-	-
Graham	-	-	-	1	1
Grant	3	-	3	1	4
Gray	-	-	-	1	1
Greeley	1	-	1	-	1
Greenwood	2	-	2	1	3
Hamilton	1	-	1	-	1
Harper	-	-	-	-	-
Harvey	1	1	2	1	3
Haskell	-	1	1	-	1
Hodgeman	-	-	-	-	-
Jackson	-	1	1	-	1
Jefferson	2	-	2	1	3
Jewell	-	-	-	-	-
Johnson	23	6	29	8	37
Kearny	3	-	3	-	3
Kingman	1	-	1	1	2
Kiowa	-	-	-	2	2
Labette	4	-	4	-	4
Lane	-	-	-	-	-
Leavenworth	3	3	6	6	12
Lincoln	1	-	1	-	1
Linn	-	-	-	1	1
Logan	-	-	-	1	1

Table 34 (cont.)
Infant Deaths by Component
By County of Residence
Kansas, 1981

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Lyon	2	-	2	2	4
Marion	3	-	3	1	4
Marshall	-	-	-	-	-
McPherson	3	1	4	-	4
Meade	1	-	1	-	1
Miami	1	1	2	-	2
Mitchell	1	-	1	-	1
Montgomery	5	1	6	1	7
Morris	1	-	1	1	2
Morton	1	-	1	-	1
Nemaha	1	-	1	-	1
Neosho	1	-	1	3	4
Ness	-	-	-	-	-
Norton	-	-	-	-	-
Osage	3	4	7	-	7
Osborne	1	-	1	-	1
Ottawa	1	-	1	-	1
Pawnee	-	-	-	1	1
Phillips	1	-	1	-	1
Pottawatomie	3	-	3	-	3
Pratt	1	-	1	1	2
Rawlins	2	-	2	-	2
Reno	3	1	4	1	5
Republic	-	-	-	-	-
Rice	2	-	2	1	3
Riley	7	-	7	1	8
Rooks	3	-	3	1	4
Rush	-	-	-	-	-
Russell	-	-	-	-	-
Saline	6	1	7	4	11
Scott	-	-	-	-	-
Sedgwick	64	12	76	22	98
Seward	-	2	2	2	4
Shawnee	14	2	16	5	21
Sheridan	1	-	1	-	1
Sherman	2	2	4	-	4
Smith	-	-	-	-	-
Stafford	1	-	1	-	1
Stanton	-	-	-	-	-
Stevens	-	1	1	-	1
Sumner	2	3	5	1	6
Thomas	-	1	1	-	1
Trego	-	-	-	-	-
Wabaunsee	-	-	-	-	-
Wallace	-	-	-	-	-
Washington	2	-	2	-	2
Wichita	1	-	1	-	1
Wilson	1	-	1	1	2
Woodson	-	-	-	-	-
Wyandotte	23	4	27	19	46

Table 35
Deaths by Number and Rate
By County of Residence
Kansas, 1977-1981

County of Residence	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	21,271	9.1	21,566	9.1	21,062	8.9	21,910	9.3	21,579	9.0
Allen.....	207	13.2	228	14.2	223	13.8	231	14.8	209	13.0
Anderson.....	123	14.8	109	13.1	126	14.7	99	11.4	131	15.0
Atchison.....	226	10.5	238	11.6	216	12.2	176	9.6	221	12.3
Barber.....	96	14.4	84	12.7	74	11.4	88	13.4	106	16.2
Barton.....	322	8.7	301	7.9	253	7.9	313	10.0	329	10.3
Bourbon.....	207	12.4	230	13.8	228	14.2	221	13.8	228	14.1
Brown.....	177	13.7	152	12.0	155	13.2	177	14.8	171	14.2
Butler.....	350	8.3	334	7.6	391	9.0	413	9.2	400	8.7
Chase.....	41	12.0	43	12.9	50	14.2	57	17.2	41	12.4
Chautauqua.....	62	12.3	78	15.4	70	15.1	73	14.6	68	13.7
Cherokee.....	275	12.2	298	12.5	287	13.3	339	15.2	274	12.4
Cheyenne.....	45	11.2	30	7.5	50	12.7	51	13.9	40	10.7
Clark.....	29	10.5	35	12.9	35	12.2	33	12.7	30	11.4
Clay.....	133	13.3	124	12.4	141	13.9	149	15.2	134	13.4
Cloud.....	183	13.0	197	14.2	169	13.3	181	14.5	191	15.3
Coffey.....	112	14.0	131	16.2	125	14.3	114	12.2	119	12.4
Comanche.....	39	13.7	31	11.5	26	9.4	35	13.7	31	12.2
Cowley.....	375	10.6	387	11.0	395	11.3	421	11.4	439	11.9
Crawford.....	497	13.1	489	12.8	473	12.7	510	13.5	500	13.3
Decatur.....	50	10.1	67	13.7	60	11.8	78	17.3	57	12.3
Dickinson.....	234	10.4	250	11.0	230	11.0	261	12.9	232	11.4
Doniphan.....	105	10.5	122	12.5	104	11.5	112	12.1	94	10.2
Douglas.....	351	5.6	348	5.3	337	5.0	373	5.5	356	5.3
Edwards.....	55	12.3	55	12.5	47	10.3	62	14.5	46	10.6
Elk.....	70	17.5	61	15.2	65	16.4	68	17.4	56	13.8
Ellis.....	150	6.0	177	6.9	156	5.7	168	6.4	170	6.3
Ellsworth.....	85	11.7	105	14.8	85	13.4	87	13.1	88	13.2
Finney.....	159	6.1	164	5.7	137	5.6	180	7.6	138	5.6
Ford.....	207	8.3	188	7.5	200	8.3	215	8.8	204	8.3
Franklin.....	255	12.0	247	11.5	209	10.0	226	10.4	232	10.6
Geary.....	219	9.4	208	8.9	197	6.7	208	7.0	171	5.7
Gove.....	42	10.5	43	11.0	39	9.8	35	9.4	37	9.6
Graham.....	36	8.0	38	8.5	36	8.5	46	11.5	41	10.1
Grant.....	27	3.7	45	6.2	31	4.1	42	6.0	46	6.2
Gray.....	33	6.3	29	5.6	38	7.0	48	9.3	49	9.3
Greeley.....	17	7.7	17	8.1	18	9.5	15	8.1	24	12.7
Greenwood.....	127	14.0	158	17.7	127	13.5	128	14.6	117	13.8
Hamilton.....	27	8.6	30	9.8	29	9.7	30	11.9	36	13.2
Harper.....	102	12.7	90	11.2	108	13.6	107	13.8	95	11.9
Harvey.....	255	8.8	269	9.4	268	8.9	279	9.1	284	9.2
Haskell.....	24	5.7	39	9.5	22	5.2	27	7.1	24	5.8
Hodgeman.....	29	10.9	23	8.9	20	7.8	32	14.1	34	14.4
Jackson.....	136	11.7	147	12.7	127	10.3	126	10.8	116	9.8
Jefferson.....	154	11.0	152	10.8	121	8.2	151	9.9	139	8.8
Jewell.....	85	14.5	71	12.3	65	11.3	71	13.5	91	17.4
Johnson.....	1,398	5.6	1,371	5.4	1,445	5.4	1,460	5.4	1,545	5.5
Kearny.....	20	5.9	28	8.1	24	6.3	28	8.2	20	5.6
Kingman.....	102	10.1	101	10.4	105	11.7	119	13.3	92	10.1
Kiowa.....	35	8.2	53	12.7	49	11.8	35	8.7	52	13.3
Labette.....	303	12.1	317	12.7	309	12.1	282	11.0	306	11.8
Lane.....	24	8.4	25	9.0	17	6.3	26	10.5	33	13.1
Leavenworth.....	430	8.3	446	8.5	391	7.1	421	7.7	438	8.0
Lincoln.....	46	9.7	79	17.1	44	9.7	68	16.4	63	15.2
Linn.....	113	13.6	134	15.7	109	12.3	103	12.5	122	14.6
Logan.....	52	13.8	32	8.8	31	8.4	55	15.8	43	12.0

Table 35 (cont.)
Deaths by Number and Rate
By County of Residence
Kansas, 1977-1981

County of Residence	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	299	8.7	290	8.0	285	8.3	327	9.3	284	8.0
Marion	182	11.0	161	9.9	149	11.2	175	12.9	158	11.7
Marshall	212	15.6	205	15.3	203	14.8	179	14.1	180	14.3
McPherson	273	10.6	263	10.1	244	9.3	288	10.7	273	10.1
Meade	54	10.6	53	10.6	42	8.1	41	8.6	58	12.0
Miami	213	10.0	217	9.9	214	9.6	214	9.9	226	10.4
Mitchell	119	14.8	113	13.9	110	13.5	99	12.2	111	13.5
Montgomery	553	12.7	579	13.2	526	13.0	544	12.9	516	12.2
Morris	80	11.6	103	15.2	98	14.1	107	16.7	99	15.4
Morton	29	8.3	21	6.1	26	7.1	26	7.5	21	5.9
Nemaha	133	11.0	136	11.3	114	10.0	119	10.6	134	12.1
Neosho	237	13.3	250	13.7	225	12.0	232	12.2	223	11.7
Ness	55	11.5	45	9.6	45	9.5	63	14.0	58	13.0
Norton	89	12.5	95	13.1	90	13.6	89	13.3	92	14.0
Osage	181	13.1	180	12.6	175	11.9	206	13.4	163	10.6
Osborne	95	15.0	97	15.5	91	14.3	89	14.9	86	14.8
Ottawa	71	11.1	81	12.8	75	11.7	78	13.1	76	12.5
Pawnee	105	13.2	93	11.9	115	13.5	73	9.1	96	12.1
Phillips	108	13.0	87	10.9	108	13.8	87	11.9	90	12.0
Pottawatomie	126	9.2	146	10.2	151	10.6	149	10.1	125	8.2
Pratt	107	10.9	134	13.7	127	12.4	115	11.2	129	12.3
Rawlins	34	8.0	37	8.9	36	8.4	51	12.4	51	12.9
Reno	603	9.3	612	9.3	611	9.5	595	9.2	554	8.5
Republic	131	15.8	123	15.1	121	16.1	118	15.6	127	16.9
Rice	166	13.8	122	10.2	140	11.3	161	13.5	146	12.5
Riley	251	6.0	276	6.6	254	3.8	255	4.0	246	3.8
Rooks	91	12.5	81	10.9	93	12.7	90	12.8	82	12.4
Rush	69	13.5	71	14.3	71	14.6	66	14.6	62	13.8
Russell	128	13.5	114	12.1	109	12.0	118	13.3	111	13.2
Saline	399	8.2	407	8.6	400	7.9	404	8.3	410	8.1
Scott	52	7.5	35	5.3	39	6.3	36	6.2	45	7.5
Sedgwick	2,647	7.7	2,726	8.0	2,757	7.8	2,717	7.4	2,820	7.7
Seward	121	7.1	108	6.2	133	7.7	127	7.4	115	6.6
Shawnee	1,364	7.7	1,344	7.5	1,254	7.9	1,380	8.9	1,300	8.2
Sheridan	34	8.9	34	8.8	34	8.5	26	7.3	45	12.1
Sherman	61	7.2	67	8.2	63	7.7	75	9.7	82	10.5
Smith	85	13.0	90	14.0	85	13.2	87	14.6	102	16.9
Stafford	82	13.4	83	13.4	75	11.7	77	13.9	83	14.8
Stanton	15	5.5	9	3.6	17	6.2	9	3.8	17	6.7
Stevens	40	8.4	31	6.6	36	7.2	42	8.9	35	7.0
Sumner	259	10.7	284	11.7	312	12.8	322	12.9	288	11.4
Thomas	81	9.7	63	7.7	74	8.5	59	7.0	60	7.0
Trego	49	10.8	49	11.1	56	12.4	56	13.4	39	9.5
Wabaunsee	65	9.5	80	11.8	63	8.9	69	10.0	98	14.3
Wallace	21	9.3	16	7.2	19	8.9	19	9.3	24	11.7
Washington	122	13.5	122	13.5	134	14.8	120	14.0	108	12.8
Wichita	15	4.3	22	6.5	21	6.3	24	7.9	34	11.0
Wilson	152	12.3	162	12.3	177	14.7	159	13.1	159	12.8
Woodson	76	16.2	80	17.0	79	19.0	60	13.0	73	16.5
Wyandotte	1,681	9.3	1,721	9.5	1,699	10.0	1,835	10.6	1,712	9.8

Table 36
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1981

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Kansas.....	21,579	452	96	94	476	471	474	1,065	2,642	4,488	6,079	5,240	2	70.6
Allen.....	209	4	1	-	2	3	3	10	23	34	61	68	-	73.5
Anderson.....	131	2	1	-	1	1	3	3	5	29	47	39	-	76.0
Atchison.....	221	6	1	1	1	2	3	8	21	47	67	64	-	73.4
Barber.....	106	4	-	1	2	2	1	6	13	20	31	26	-	70.2
Barton.....	329	7	4	3	8	10	5	23	39	59	104	67	-	68.5
Bourbon.....	228	1	1	-	1	2	4	10	23	53	74	59	-	74.6
Brown.....	171	1	-	-	3	4	1	3	15	33	51	60	-	76.5
Butler.....	400	3	2	3	10	4	12	21	39	89	124	92	1	71.3
Chase.....	41	-	-	-	-	-	1	-	4	9	10	17	-	79.1
Chautauqua.....	68	-	-	-	-	2	-	3	10	16	20	17	-	74.4
Cherokee.....	274	-	5	1	3	5	4	11	40	75	68	62	-	71.4
Cheyenne.....	40	3	-	-	-	1	1	2	5	3	15	10	-	69.4
Clark.....	30	1	-	-	-	-	-	2	4	4	11	8	-	73.2
Clay.....	134	3	-	1	1	4	4	1	12	27	34	47	-	74.1
Cloud.....	191	4	-	-	1	2	-	8	18	32	66	60	-	76.1
Coffey.....	119	-	-	-	-	1	2	5	13	22	35	41	-	76.8
Comanche.....	31	-	-	-	-	-	-	3	2	4	12	10	-	78.5
Cowley.....	439	5	5	9	7	9	10	16	40	96	131	111	-	71.2
Crawford.....	500	5	-	-	5	5	6	19	52	119	170	119	-	74.3
Decatur.....	57	-	-	-	-	1	-	2	6	11	19	18	-	77.1
Dickinson.....	232	-	-	3	3	1	1	9	19	38	82	76	-	76.3
Doniphan.....	94	1	1	-	2	-	3	6	8	21	28	24	-	72.1
Douglas.....	356	9	-	3	7	15	5	18	47	73	95	84	-	69.5
Edwards.....	46	-	-	-	2	2	1	1	4	11	9	16	-	73.4
Elk.....	56	-	-	-	1	-	1	-	7	11	14	22	-	78.5
Ellis.....	170	3	4	-	11	6	5	7	25	38	40	31	-	64.7
Ellsworth.....	88	-	3	-	2	2	1	2	4	23	29	22	-	72.1
Finney.....	138	11	2	-	8	6	5	4	17	30	32	23	-	61.1
Ford.....	204	10	-	-	6	5	5	9	23	36	60	50	-	68.8
Franklin.....	232	3	-	2	8	1	1	13	27	46	64	67	-	72.7
Geary.....	171	16	1	2	9	16	8	9	24	33	31	22	-	56.5
Gove.....	37	-	-	-	1	-	-	2	5	9	13	7	-	73.4
Graham.....	41	1	-	-	-	1	-	4	6	5	16	8	-	71.3
Grant.....	46	4	2	-	2	1	1	1	7	12	11	5	-	58.8
Gray.....	49	1	-	-	-	1	-	4	5	10	14	14	-	72.7

Table 36 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1981

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Greeley.....	24	1	-	-	1	1	-	-	2	6	6	7	-	71.0
Greenwood.....	117	3	-	-	3	1	2	4	12	25	36	31	-	72.6
Hamilton.....	36	1	-	-	-	-	-	1	5	13	7	9	-	73.1
Harper.....	95	-	1	1	1	3	2	4	9	15	38	21	-	73.1
Harvey.....	284	3	-	1	1	4	5	14	27	71	74	84	-	74.2
Haskell.....	24	1	-	-	-	1	-	1	3	5	6	7	-	71.8
Hodgeman.....	34	-	-	-	-	-	2	-	3	7	6	16	-	77.4
Jackson.....	116	1	-	-	-	-	3	10	14	21	30	37	-	74.7
Jefferson.....	139	3	-	-	8	1	4	6	17	33	30	37	-	69.8
Jewell.....	91	-	-	-	-	1	2	1	12	16	28	31	-	77.1
Johnson.....	1,545	37	7	10	54	48	56	117	270	286	383	276	1	66.0
Kearny.....	20	3	-	-	1	1	-	1	5	3	3	3	-	56.0
Kingman.....	92	2	-	-	1	2	1	2	5	20	28	31	-	75.5
Kiowa.....	52	2	-	1	-	2	2	5	3	14	11	12	-	67.3
L..ette.....	306	4	1	1	7	3	9	5	25	67	99	85	-	73.7
Lane.....	33	-	-	-	-	2	-	2	1	7	11	10	-	75.1
Leavenworth....	438	12	4	1	3	7	11	35	63	92	117	93	-	69.0
Lincoln.....	63	1	-	-	-	-	1	2	8	10	14	27	-	77.1
Linn.....	122	1	-	1	1	1	4	3	8	36	36	31	-	74.1
Logan.....	43	1	-	-	1	1	1	1	6	10	13	9	-	70.7
Lyon.....	284	4	2	2	5	4	5	9	26	54	88	85	-	73.5
Marion.....	158	4	1	1	1	1	3	3	10	32	57	45	-	74.7
Marshall.....	180	-	1	-	3	1	3	6	23	40	59	44	-	73.7
McPherson.....	273	4	-	1	4	5	5	9	28	59	65	93	-	73.8
Meade.....	58	1	-	-	-	1	-	1	7	12	23	13	-	74.1
Miami.....	226	2	-	2	1	6	2	16	29	47	62	59	-	72.5
Mitchell.....	111	1	-	-	-	-	-	1	6	22	36	45	-	80.1
Montgomery.....	516	7	-	1	7	10	8	23	64	107	166	123	-	72.8
Morris.....	99	2	-	-	2	-	-	2	8	24	29	32	-	76.3
Morton.....	21	1	-	-	3	2	-	-	1	5	8	1	-	60.1
Nemaha.....	134	1	-	1	3	2	1	6	14	27	33	46	-	74.3
Neosho.....	223	4	-	-	1	4	2	12	18	36	80	66	-	75.5
Ness.....	58	-	1	1	-	1	2	3	3	13	1[illegible]	18	-	72.8
Norton.....	92	-	-	1	-	1	2	4	21	19	25	19	-	72.0
Osage.....	163	7	1	-	5	5	3	5	14	31	49	43	-	70.3

Table 36 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1981

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Osborne.....	86	1	-	-	4	1	1	4	9	9	27	30	-	74.0
Ottawa.....	76	1	-	1	1	-	-	5	1	21	30	16	-	73.8
Pawnee.....	96	1	-	-	3	1	2	3	15	26	24	21	-	71.3
Phillips.....	90	1	-	-	1	1	1	3	5	20	28	30	-	76.4
Pottawatomie...	125	3	-	1	3	2	5	3	8	31	33	36	-	72.6
Pratt.....	129	2	-		4	1	1	3	23	22	41	32	-	72.4
Rawlins.....	51	2	2		1	1	2	-	6	8	15	14	-	68.8
Reno.....	554	5	-	4	16	11	8	24	80	105	148	153	-	72.1
Republic.....	127	-	-	-	1	1	3	7	10	20	39	46	-	77.2
Rice.....	146	3	-	-	2	4	-	10	12	31	39	45	-	73.0
Riley.....	246	8	2	1	12	5	6	5	33	48	67	59	-	68.8
Rooks.....	82	4	-	-	-	1	-	1	10	16	23	27	-	73.8
Rush.....	62	-	1	-	-	-	-	-	6	14	25	16	-	77.1
Russell.....	111	-	-	1	2	1	3	5	13	23	33	30	-	73.8
Saline.....	410	11	1	1	5	7	10	27	35	100	114	99	-	71.0
Scott.....	45	-	-	-	3	-	1	3	7	12	11	8	-	69.4
Sedgwick.....	2,820	98	14	11	87	72	81	171	438	594	734	520	-	66.9
Seward.....	115	4	2	2	4	4	6	9	11	29	16	28	-	63.9
Shawnee.....	1,300	21	10	5	37	39	39	72	145	270	361	301	-	69.5
Sheridan.....	45	1	-	-	-	-	2	2	3	9	18	10	-	73.7
Sherman.....	82	4	1	2	1	3	2	5	9	17	19	19	-	66.3
Smith.....	102	-	-	-	1	1	1	2	10	17	25	45	-	79.3
Stafford.....	83	1	-	-	1	1	2	5	1	17	34	21	-	75.0
Stanton.....	17	-	-	-	-	1	-	-	5	4	5	2	-	68.9
Stevens.....	35	1	-	-	1	2	1	2	3	8	7	10	-	68.9
Sumner.....	288	6	4	-	5	2	-	10	33	50	89	89	-	73.6
Thomas.....	60	1	-	2	2	1	1	2	7	15	17	12	-	68.6
Trego.....	39	-	-	1	1	1	-	1	5	12	9	9	-	71.3
Wabaunsee.....	98	-	-	-	2	1	3	5	10	11	26	40	-	76.4
Wallace.....	24	-	-	-	1	-	-	1	4	3	9	6	-	73.6
Washington.....	108	2	-	-	2	-	2	4	7	13	44	34	-	76.2
Wichita.....	34	1	-	-	-	-	1	5	1	7	8	11	-	73.1
Wilson.....	159	2	-	-	5	2	3	5	21	34	49	38	-	72.3
Woodson.....	73	-	-	-	-	1	-	2	6	12	19	33	-	79.8
Wyandotte.....	1,712	46	7	7	44	66	49	100	268	397	433	295	-	66.7

Table 37
Twenty Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Aortic Aneurysm	Congenital Anomalies	Homicide	Emphysema	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Intestinal Obstruction Without Mention of Hernia	Vascular Insufficiency of Intestine
Kansas.....	8,140	4,274	1,878	1,243	655	413	389	271	227	216	208	172	165	161	138	103	82	77	68	60
Allen.....	93	26	21	14	5	-	3	1	-	9	1	2	3	-	2	1	1	-	-	-
Anderson.....	77	11	13	5	2	1	8	-	2	-	-	2	1	-	-	-	-	-	-	-
Atchison.....	84	44	22	12	10	2	3	1	4	4	1	4	2	1	1	3	-	-	-	1
Barber.....	40	23	7	5	6	1	2	-	3	1	2	-	1	1	2	2	-	-	-	-
Barton.....	134	67	31	29	9	2	6	1	3	3	4	3	2	-	5	1	-	2	1	-
Bourbon.....	102	40	29	5	11	5	-	1	-	2	2	1	1	-	6	2	1	-	-	1
Brown.....	71	28	14	6	10	10	2	1	-	2	2	1	-	-	1	-	-	-	1	1
Butler.....	156	80	54	22	10	5	5	8	2	4	2	4	1	1	3	1	4	-	1	-
Chase.....	10	5	7	1	-	9	1	-	-	-	1	-	-	-	-	-	-	1	-	-
Chautauqua.....	27	12	6	5	3	3	2	-	-	-	-	-	1	-	-	-	-	-	1	1
Cherokee.....	117	47	22	15	9	5	3	3	-	3	2	-	-	-	1	-	-	1	-	2
Cheyenne.....	21	5	1	4	-	2	-	-	2	-	-	1	1	-	1	-	-	-	-	-
Clark.....	16	8	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Clay.....	54	31	10	2	7	1	2	3	3	1	-	2	-	1	-	-	1	-	2	1
Cloud.....	84	44	14	5	6	6	2	-	2	2	1	1	1	-	1	2	-	1	1	-
Coffey.....	61	18	10	2	6	1	1	-	-	-	2	-	-	-	1	2	-	1	1	-
Comanche.....	14	6	2	1	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Cowley.....	137	75	57	32	11	4	6	6	-	4	1	4	2	4	6	1	3	-	2	1
Crawford.....	216	97	52	20	13	10	10	3	2	8	4	2	-	1	3	-	1	-	3	-
Decatur.....	19	12	4	2	3	1	2	1	-	-	-	1	-	-	-	-	1	-	-	-
Dickinson.....	90	46	26	13	9	3	3	-	-	1	-	2	-	-	2	-	-	-	-	-
Doniphan.....	42	16	12	4	3	2	1	-	-	2	1	-	1	-	-	-	-	1	-	-
Douglas.....	127	68	30	18	12	5	9	7	2	3	2	5	4	-	2	4	-	4	2	1
Edwards.....	20	9	4	4	2	1	1	-	-	-	1	1	-	-	2	-	-	-	-	-
Elk.....	21	11	8	1	2	3	-	-	-	-	-	1	-	1	-	-	-	-	1	-
Ellis.....	57	46	13	16	2	-	1	2	2	1	3	1	2	-	1	-	2	-	-	-
Ellsworth.....	36	20	10	4	4	-	1	1	-	1	-	-	1	1	-	-	-	1	-	1
Finney.....	46	24	11	12	5	6	5	2	6	1	2	1	2	1	-	-	-	-	-	2
Ford.....	66	40	19	17	3	5	6	4	5	1	-	4	2	2	-	2	-	-	2	1
Franklin.....	97	36	18	13	10	3	4	4	1	1	-	2	2	1	-	1	-	-	-	1

Table 37 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Aortic Aneurysm	Congenital Anomalies	Homicides	Emphysema	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Intestinal Obstruction Without Mention of Hernia	Vascular Insufficiency of Intestine
Geary	54	27	10	22	2	2	4	3	8	1	1	-	3	5	1	1	4	-	1	-
Gove	18	5	1	1	-	-	2	-	-	2	-	2	-	-	2	-	-	-	-	-
Graham	12	7	3	2	2	-	1	1	-	1	-	1	-	-	-	-	-	1	-	-
Grant	17	8	2	5	1	1	-	-	2	1	-	-	2	-	1	-	-	-	-	-
Gray	16	13	8	1	2	2	1	-	-	-	-	-	-	-	1	-	1	-	-	-
Greeley	8	6	1	1	1	-	-	-	-	1	-	1	1	-	-	-	-	-	-	-
Greenwood	57	26	9	6	2	-	-	2	3	1	1	-	-	1	1	-	1	-	-	-
Hamilton	15	6	3	2	-	-	2	1	1	-	-	-	-	-	-	-	1	1	-	-
Harper	33	20	7	8	1	-	3	1	-	-	-	-	-	-	1	1	-	-	1	1
Harvey	106	65	24	14	9	6	5	1	1	4	3	1	1	1	1	1	3	2	1	2
Haskell	12	4	1	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-
Hodgeman	13	4	5	3	-	-	2	-	-	1	-	1	-	-	-	-	-	1	-	-
Jackson	40	24	16	2	4	8	3	1	-	2	3	1	1	-	1	1	-	-	-	-
Jefferson	47	23	15	13	6	2	3	2	2	1	1	1	1	2	1	1	-	-	-	-
Jewell	47	11	6	2	6	6	-	-	-	-	1	-	-	-	2	-	-	-	-	-
Johnson	513	357	107	149	41	19	13	40	17	18	19	6	16	12	14	5	6	5	1	2
Kearny	5	-	1	3	1	1	-	-	3	1	1	-	-	-	-	-	-	-	-	-
Kingman	42	13	10	5	3	5	-	1	1	-	-	1	-	-	1	1	-	1	-	1
Kiowa	25	8	4	2	-	-	1	1	-	-	1	-	1	1	-	-	-	-	-	-
Labette	130	57	14	15	12	9	2	1	4	4	1	5	-	1	2	-	2	-	5	1
Lane	20	3	1	-	3	-	-	1	-	-	1	-	1	-	1	-	-	-	-	-
Leavenworth	157	85	32	15	15	-	9	8	4	4	7	1	4	3	6	6	3	-	1	-
Lincoln	31	11	3	3	2	1	-	2	-	1	2	1	1	-	-	1	-	-	-	-
Linn	54	28	13	6	3	4	1	1	-	-	-	-	-	-	-	-	1	-	1	-
Logan	15	4	4	7	3	-	-	-	-	1	1	2	-	-	-	1	1	-	-	-
Lyon	107	48	36	16	10	6	6	-	1	4	1	3	2	-	2	2	2	-	3	-
Marion	72	29	8	14	-	2	2	-	3	2	1	-	2	-	1	1	-	2	-	-
Marshall	78	38	13	14	7	5	1	-	-	1	1	1	-	1	2	2	-	-	2	-
McPherson	99	63	28	13	5	5	7	-	2	1	1	1	4	1	1	1	1	-	-	2
Meade	26	14	4	2	2	-	-	-	1	2	2	-	-	-	-	-	-	-	-	2

Table 37 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Aortic Aneurysm	Congenital Anomalies	Homicides	Emphysema	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Intestinal Obstruction Without Mention of Hernia	Vascular Insufficiency of Intestine
Miami	103	39	15	12	11	7	3	-	2	4	3	-	-	-	2	-	-	-	-	1
Mitchell	43	14	11	2	7	13	4	-	1	-	-	1	-	-	1	1	-	-	1	-
Montgomery	203	108	49	18	16	12	7	4	3	5	5	6	3	6	1	4	1	2	1	1
Morris	31	26	10	4	-	5	5	-	-	1	-	-	2	-	1	-	-	-	-	1
Morton	6	3	-	2	2	-	-	1	-	-	1	-	1	1	1	-	-	-	-	1
Nemaha	52	22	10	12	6	10	5	1	-	-	1	-	1	-	-	-	1	-	1	-
Neosho	90	41	18	8	16	6	4	-	1	4	2	2	2	-	-	1	-	-	-	2
Ness	29	9	4	3	-	1	2	-	-	1	1	-	1	-	-	-	-	-	-	-
Norton	34	27	3	5	2	4	3	1	-	1	1	1	1	-	-	1	1	-	-	-
Osage	54	25	17	14	8	9	4	3	6	-	-	4	1	1	-	1	1	1	-	1
Osborne	35	9	6	5	5	4	3	1	1	2	2	2	-	-	1	-	1	1	-	-
Ottawa	30	19	8	-	-	-	4	-	1	-	-	1	-	-	-	1	-	-	-	-
Pawnee	37	14	9	10	5	-	-	2	-	-	1	1	-	-	-	-	-	-	-	1
Phillips	37	18	4	3	6	1	2	-	-	-	-	2	1	-	-	3	-	1	-	-
Pottawatomie	52	14	12	7	7	3	2	3	-	-	1	-	2	1	2	-	1	1	1	1
Pratt	46	23	6	4	5	3	6	1	1	1	3	1	-	-	2	-	1	1	-	-
Rawlins	19	12	2	6	2	1	-	1	2	1	-	-	-	-	-	-	-	-	-	-
Reno	222	105	42	32	19	11	13	5	1	4	11	3	5	1	4	1	4	1	2	2
Republic	52	30	16	6	5	3	-	2	-	-	-	2	-	1	1	-	-	-	-	-
Rice	55	35	16	7	7	-	6	1	2	-	2	2	-	-	-	-	1	-	1	1
Riley	87	32	23	18	17	4	4	5	6	1	3	4	3	1	-	1	-	3	1	1
Rooks	43	8	3	1	5	3	1	-	-	2	-	1	3	-	-	-	1	-	1	-
Rush	25	14	6	-	1	-	1	1	-	3	-	-	-	-	-	-	-	1	-	-
Russell	52	20	8	6	1	1	3	-	-	4	1	-	-	-	2	1	-	-	-	-
Saline	156	88	56	13	8	7	6	8	6	3	1	4	3	2	1	3	1	1	-	-
Scott	13	6	3	3	2	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-
Sedgwick	985	619	227	174	53	43	58	42	57	28	38	26	31	46	20	8	9	10	12	7
Seward	28	26	8	12	-	2	3	4	1	1	2	6	-	2	2	-	-	-	-	-
Shawnee	491	267	121	71	42	12	21	25	14	8	10	8	9	14	6	9	6	7	4	4
Sheridan	22	7	4	2	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	1

Table 37 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Aortic Aneurysm	Congenital Anomalies	Homicides	Emphysema	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Intestinal Obstruction Without Mention of Hernia	Vascular Insufficiency of Intestine
Sherman.....	19	13	11	5	3	3	1	4	2	-	2	1	-	-	1	2	-	-	-	-
Smith.....	43	19	16	6	4	-	-	-	-	1	-	2	-	-	-	-	-	1	-	-
Stafford.....	34	18	8	3	2	-	2	-	1	-	1	3	-	-	1	2	-	2	1	-
Stanton.....	8	3	1	1	1	-	-	-	-	-	1	-	-	-	1	-	-	1	1	-
Stevens.....	10	6	4	2	1	2	3	1	1	-	-	-	-	-	-	-	-	-	1	-
Sumner.....	107	58	19	15	5	13	6	4	3	5	4	2	2	-	-	1	4	-	-	1
Thomas.....	15	16	8	9	2	-	5	1	-	-	-	-	1	-	-	-	-	1	-	1
Trego.....	11	5	6	2	2	-	2	1	-	1	-	-	1	-	-	-	-	3	-	-
Wabaunsee.....	31	21	13	3	3	13	3	1	-	-	-	1	-	-	1	-	-	-	-	-
Wallace.....	12	6	2	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Washington.....	41	21	8	7	9	7	3	-	1	1	1	1	-	-	-	2	1	-	-	-
Wichita.....	13	4	2	3	1	-	-	-	1	1	1	1	-	1	-	-	-	-	-	-
Wilson.....	57	28	15	10	2	5	7	2	1	7	3	-	1	-	-	1	1	1	-	-
Woodson.....	25	15	16	1	2	3	2	-	-	1	-	-	-	-	1	-	-	1	-	-
Wyandotte.....	578	359	114	80	43	21	25	28	18	17	23	9	20	40	3	11	5	7	4	6

Table 38
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Kansas.....	340.7	178.9	78.6	52.0	27.4	17.3	16.3	11.3	9.5	9.0
Allen.....	577.6	161.5	130.4	87.0	31.1	-	18.6	6.2	-	55.9
Anderson....	878.9	125.6	148.4	57.1	22.8	11.4	91.3	-	22.8	-
Atchison....	468.1	245.2	122.6	66.9	55.7	11.1	16.7	5.6	22.3	22.3
Barber.....	612.2	352.0	107.1	76.5	91.8	15.3	30.6	-	45.9	15.3
Barton.....	419.5	209.7	97.0	90.8	28.2	6.3	18.8	3.1	9.4	9.4
Bourbon.....	628.8	246.6	178.8	30.8	67.8	30.8	-	6.2	-	12.3
Brown.....	589.1	232.3	116.2	49.8	83.0	83.0	16.6	8.3	-	16.6
Butler.....	340.0	174.3	117.7	47.9	21.8	10.9	10.9	17.4	4.4	8.7
Chase.....	301.8	150.9	211.2	30.2	-	271.6	30.2	-	-	-
Chautauqua..	542.8	241.3	120.6	100.5	60.3	60.3	40.2	-	-	-
Cherokee....	527.5	211.9	99.2	67.6	40.6	22.5	13.5	13.5	-	13.5
Cheyenne....	563.5	134.2	26.8	107.3	-	53.7	-	-	53.7	-
Clark.....	610.2	305.1	76.3	-	-	-	-	-	38.1	-
Clay.....	539.6	309.8	99.9	20.0	69.9	10.0	20.0	30.0	30.0	10.0
Cloud.....	670.9	351.4	111.8	39.9	47.9	47.9	16.0	-	16.0	16.0
Coffey.....	635.5	187.5	104.2	20.8	62.5	10.4	10.4	-	-	-
Comanche....	551.4	236.3	78.8	39.4	-	39.4	-	-	-	-
Cowley.....	372.8	204.1	155.1	87.1	29.9	10.9	16.3	16.3	-	10.9
Crawford....	572.5	257.1	137.8	53.0	34.5	26.5	26.5	8.0	5.3	21.2
Decatur.....	411.0	259.6	86.5	43.3	64.9	21.6	43.3	21.6	-	-
Dickinson...	442.2	226.0	127.7	63.9	44.2	14.7	14.7	-	-	4.9
Doniphan....	456.6	173.9	130.4	43.5	32.6	21.7	10.9	-	-	21.7
Douglas.....	187.7	100.5	44.4	26.6	17.7	7.4	13.3	10.3	3.0	4.4
Edwards.....	460.0	207.0	92.0	92.0	46.0	23.0	23.0	-	-	-
Elk.....	518.0	271.3	197.3	24.7	49.3	74.0	-	-	-	-
Ellis.....	212.8	171.8	48.5	59.7	7.5	-	3.7	7.5	7.5	3.7
Ellsworth...	538.9	299.4	149.7	59.9	59.9	-	15.0	15.0	-	15.0
Finney.....	188.0	98.1	45.0	49.1	20.4	24.5	20.4	8.2	24.5	4.1
Ford.....	269.1	163.1	77.5	69.3	12.2	20.4	24.5	16.3	20.4	4.1
Franklin....	444.4	164.9	82.5	59.6	45.8	13.7	18.3	18.3	4.6	4.6
Geary.....	178.9	89.4	33.1	72.9	6.6	6.6	13.2	9.9	26.5	3.3
Gove.....	468.4	130.1	26.0	26.0	-	-	52.0	-	-	52.0
Graham.....	295.7	172.5	73.9	49.3	49.3	-	24.6	24.6	-	24.6
Grant.....	230.4	108.4	27.1	67.8	13.6	13.6	-	-	27.1	13.6
Gray.....	304.2	247.1	152.1	19.0	38.0	38.0	19.0	-	-	-

Table 38 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Greeley.....	423.3	317.5	52.9	52.9	52.9	-	-	-	-	52.9
Greenwood....	672.2	306.6	106.1	70.8	23.6	-	-	23.6	35.4	11.8
Hamilton.....	551.9	220.8	110.4	73.6	-	-	73.6	36.8	36.8	-
Harper.....	414.6	251.3	87.9	100.5	12.6	-	37.7	12.6	-	-
Harvey.....	343.5	210.6	77.8	45.4	29.2	19.4	16.2	3.2	3.2	13.0
Haskell.....	289.4	96.5	24.1	-	-	-	-	-	-	-
Hodgeman.....	551.1	169.6	212.0	127.2	-	-	84.8	-	-	42.4
Jackson.....	337.5	202.5	135.0	16.9	33.7	67.5	25.3	8.4	-	16.9
Jefferson....	298.0	145.8	95.1	82.4	38.0	12.7	19.0	12.7	12.7	6.3
Jewell.....	896.6	209.8	114.5	38.2	114.5	114.5	-	-	-	-
Johnson.....	184.0	128.0	38.4	53.4	14.7	6.8	4.7	14.3	6.1	6.5
Kearny.....	141.1	-	28.2	84.7	28.2	28.2	-	-	84.7	28.2
Kingman.....	463.3	143.4	110.3	55.2	33.1	55.2	-	11.0	11.0	-
Kiowa.....	638.1	204.2	102.1	51.0	-	-	25.5	25.5	-	-
Labette.....	503.0	220.6	54.2	58.0	46.4	34.8	7.7	3.9	15.5	15.5
Lane.....	793.0	119.0	39.7	-	119.0	-	-	39.7	-	-
Leavenworth..	285.9	154.8	58.3	27.3	27.3	-	16.4	14.6	7.3	7.3
Lincoln.....	747.5	265.3	72.3	72.3	48.2	24.1	-	48.2	-	24.1
Linn.....	646.6	335.3	155.7	71.8	35.9	47.9	12.0	12.0	-	-
Logan.....	418.6	111.6	111.6	195.4	83.7	-	-	-	-	27.9
Lyon.....	302.6	135.8	101.8	45.3	28.3	17.0	17.0	-	2.8	11.3
Marion.....	535.2	215.5	59.5	104.1	-	14.9	14.9	-	22.3	14.9
Marshall.....	619.2	301.7	103.2	111.1	55.6	39.7	7.9	-	-	7.9
McPherson....	364.8	232.1	103.2	47.9	18.4	18.4	25.8	-	7.4	3.7
Meade.....	538.0	289.7	82.8	41.4	41.4	-	-	-	20.7	41.4
Miami.....	476.1	180.3	69.3	55.5	50.9	32.4	13.9	-	9.2	18.5
Mitchell.....	521.1	169.7	133.3	24.2	84.8	157.5	48.5	-	12.1	-
Montgomery...	478.4	254.5	115.5	42.4	37.7	28.3	16.5	9.4	7.1	11.8
Morris.....	481.7	404.0	155.4	62.2	-	77.7	77.7	-	-	15.5
Morton.....	169.6	84.8	-	56.5	56.5	-	-	28.3	-	-
Nemaha.....	470.0	198.8	90.4	108.5	54.2	90.4	45.2	9.0	-	-
Neosho.....	473.3	215.6	94.7	42.1	84.1	31.6	21.0	-	5.3	21.0
Ness.....	650.8	202.0	89.8	67.3	-	22.4	44.9	-	-	22.4
Norton.....	517.1	410.6	45.6	76.0	30.4	60.8	45.6	15.2	-	15.2
Osage.....	350.1	162.1	110.2	90.8	51.9	58.4	25.9	19.5	38.9	-

Table 38 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1981

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Certain Conditions Originating in the Perinatal Period	Nephritis, Nephrotic Syndrome and Nephrosis
Osborne.....	600.4	154.4	102.9	85.8	85.8	68.6	51.5	17.2	17.2	34.3
Ottawa.....	494.2	313.0	131.8	-	-	-	65.9	-	16.5	-
Pawnee.....	466.3	176.5	113.4	126.0	63.0	-	-	25.2	-	-
Phillips.....	493.4	240.0	53.3	40.0	80.0	13.3	26.7	-	-	-
Pottawatomie.	340.6	91.7	78.6	45.8	45.8	19.6	13.1	19.6	-	-
Pratt.....	439.4	219.7	57.3	38.2	47.8	28.7	57.3	9.6	9.6	9.6
Rawlins.....	481.4	304.0	50.7	152.0	50.7	25.3	-	25.3	50.7	25.3
Reno.....	339.0	160.4	64.1	48.9	29.0	16.8	19.9	7.6	1.5	6.1
Republic.....	693.6	400.2	213.4	80.0	66.7	40.0	-	26.7	-	-
Rice.....	470.7	299.5	136.9	59.9	59.9	-	51.3	8.6	17.1	-
Riley.....	132.8	48.8	35.1	27.5	25.9	6.1	6.1	7.6	9.2	1.5
Rooks.....	651.5	121.2	45.5	15.2	75.8	45.5	15.2	-	-	30.3
Rush.....	556.5	311.7	133.6	-	22.3	-	22.3	22.3	-	66.8
Russell.....	616.3	237.0	94.8	71.1	11.9	11.9	35.6	-	-	47.4
Saline.....	307.0	173.2	110.2	25.6	15.7	13.8	11.8	15.7	11.8	5.9
Scott.....	215.9	99.7	49.8	49.8	33.2	-	49.8	33.2	-	-
Sedgwick.....	269.9	169.6	62.2	47.7	14.5	11.8	15.9	11.5	15.6	7.7
Seward.....	160.5	149.0	45.8	68.8	-	11.5	17.2	22.9	5.7	5.7
Shawnee.....	309.7	168.4	76.3	44.8	26.5	7.6	13.2	15.8	8.8	5.0
Sheridan.....	590.6	187.9	107.4	53.7	-	-	-	-	26.8	-
Sherman.....	242.2	165.7	140.2	63.7	38.2	38.2	12.7	51.0	25.5	-
Smith.....	711.2	314.3	264.6	99.2	66.2	-	-	-	-	16.5
Stafford.....	607.6	321.7	143.0	53.6	35.7	-	35.7	-	17.9	-
Stanton.....	314.7	118.0	39.3	39.3	39.3	-	-	-	-	-
Stevens.....	200.2	120.1	80.1	40.0	20.0	40.0	60.0	20.0	20.0	-
Sumner.....	424.6	230.2	75.4	59.5	19.8	51.6	23.8	15.9	11.9	19.8
Thomas.....	175.8	187.5	93.8	105.5	23.4	-	58.6	11.7	-	-
Trego.....	267.4	121.6	145.9	48.6	48.6	-	48.6	24.3	-	24.3
Wabaunsee....	451.6	305.9	189.4	43.7	43.7	189.4	43.7	14.6	-	-
Wallace.....	585.9	293.0	97.7	48.8	48.8	-	-	-	-	-
Washington...	487.2	249.5	95.1	83.2	106.9	83.2	35.6	-	11.9	11.9
Wichita.....	422.4	130.0	65.0	97.5	32.5	-	-	-	32.5	32.5
Wilson.....	457.2	224.6	120.3	80.2	16.0	40.1	56.1	16.0	8.0	56.1
Woodson.....	564.1	338.4	361.0	22.6	45.1	67.7	45.1	-	-	22.6
Wyandotte....	332.4	206.5	65.6	46.0	24.7	12.1	14.4	16.1	10.4	9.8

Table 39
Marriages by Number and Rate
By County of Marriage
Kansas, 1977-1981

County of Marriage	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	23,673	10.1	23,975	10.2	24,774	10.5	24,847	10.5	26,137	10.9
Allen.....	157	10.0	152	9.5	164	10.2	164	10.5	178	11.1
Anderson.....	83	10.0	103	12.4	86	10.0	82	9.4	98	11.2
Atchison.....	175	8.1	153	7.4	174	9.8	183	9.9	173	9.6
Barber.....	85	12.8	65	9.8	71	10.9	83	12.7	65	9.9
Barton.....	372	10.0	376	9.9	337	10.6	426	13.6	422	13.2
Bourbon.....	169	10.1	157	9.5	170	10.6	174	10.9	164	10.1
Brown.....	127	9.8	118	9.3	99	8.5	109	9.1	122	10.1
Butler.....	402	9.5	427	9.7	434	9.9	343	7.7	423	9.2
Chase.....	37	10.9	26	7.8	37	10.5	35	10.6	33	10.0
Chautauqua.....	54	10.7	52	10.3	61	13.1	49	9.8	73	14.7
Cherokee.....	159	7.1	164	6.9	176	8.1	183	8.2	189	8.5
Cheyenne.....	42	10.5	46	11.6	34	8.7	35	9.5	38	10.2
Clark.....	22	8.0	23	8.5	29	10.1	16	6.2	25	9.5
Clay.....	88	8.8	111	11.1	112	11.1	85	8.7	111	11.1
Cloud.....	123	8.7	119	8.6	135	10.6	108	8.6	107	8.5
Coffey.....	76	9.5	88	10.9	84	9.6	87	9.3	92	9.6
Comanche.....	16	5.6	23	8.6	22	8.0	19	7.4	26	10.2
Cowley.....	342	9.7	360	10.2	381	10.9	410	11.1	436	11.9
Crawford.....	262	6.9	305	8.0	321	8.6	304	8.0	340	9.0
Decatur.....	62	12.6	70	14.3	50	9.9	62	13.8	78	16.9
Dickinson.....	271	12.0	242	10.7	261	12.4	187	9.3	201	9.9
Doniphan.....	83	8.3	115	11.8	111	12.3	68	7.3	102	11.1
Douglas.....	674	10.7	576	8.7	657	9.7	745	11.0	658	9.7
Edwards.....	55	12.3	38	8.7	50	11.0	39	9.1	33	7.6
Elk.....	39	9.7	31	7.7	30	7.6	34	8.7	32	7.9
Ellis.....	274	10.9	278	10.9	275	10.1	377	14.4	314	11.7
Ellsworth.....	58	8.0	74	10.4	70	11.1	44	6.6	73	10.9
Finney.....	289	11.0	255	8.9	271	11.0	297	12.5	315	12.9
Ford.....	261	10.4	274	11.0	280	11.6	326	13.4	324	13.2
Franklin.....	219	10.3	222	10.4	215	10.3	242	11.1	239	11.0
Geary.....	509	21.7	567	24.4	629	21.4	651	21.8	781	25.9
Gove.....	28	7.0	30	7.6	37	9.3	18	4.8	38	9.9
Graham.....	48	10.7	43	9.6	36	8.5	53	13.3	50	12.3
Grant.....	89	12.1	84	11.6	79	10.4	83	11.9	68	9.2
Gray.....	52	9.9	40	7.7	57	10.5	43	8.4	60	11.4
Greeley.....	25	11.4	23	11.0	24	12.7	28	15.2	21	11.1
Greenwood.....	84	9.2	76	8.5	90	9.6	74	8.4	95	11.2
Hamilton.....	26	8.3	24	7.8	43	14.4	23	9.1	36	13.2
Harper.....	53	6.6	70	8.7	59	7.4	104	13.4	89	11.2
Harvey.....	320	11.1	327	11.4	330	11.0	421	13.8	304	9.9
Haskell.....	48	11.4	33	8.0	33	7.8	38	10.0	49	11.8
Hodgeman.....	31	11.7	24	9.3	20	7.8	27	11.9	10	4.2
Jackson.....	93	8.0	73	6.3	97	7.9	84	7.2	83	7.0
Jefferson.....	143	10.3	148	10.5	144	9.8	87	5.7	164	10.4
Jewell.....	54	9.2	56	9.7	55	9.6	49	9.3	44	8.4
Johnson.....	2,125	8.5	2,187	8.5	2,364	8.8	2,301	8.5	2,472	8.9
Kearny.....	44	12.9	38	11.0	49	12.9	43	12.5	59	16.6
Kingman.....	119	11.8	99	10.1	91	10.1	96	10.7	96	10.6
Kiowa.....	43	10.1	33	7.9	40	9.6	42	10.4	46	11.7
Labette.....	186	7.4	196	7.8	198	7.8	172	6.7	180	7.0
Lane.....	29	10.2	24	8.6	17	6.3	23	9.3	24	9.5
Leavenworth.....	446	8.6	459	8.8	448	8.1	477	8.7	564	10.3
Lincoln.....	41	8.6	28	6.0	38	8.3	46	11.1	31	7.5
Linn.....	62	7.5	79	9.3	72	8.1	45	5.5	67	8.0
Logan.....	49	13.0	52	14.2	42	11.4	49	14.1	41	11.4

Table 39 (cont.)
Marriages by Number and Rate
By County of Marriage
Kansas, 1977-1981

County of Marriage	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	329	9.6	360	9.9	384	11.1	477	13.6	431	12.2
Marion	117	7.1	128	7.9	133	10.0	97	7.2	128	9.5
Marshall	157	11.6	127	9.5	142	10.4	125	9.8	133	10.6
McPherson	255	9.9	273	10.5	251	9.6	261	9.7	255	9.4
Meade	45	8.8	35	7.0	51	9.8	41	8.6	59	12.2
Miami	184	8.7	185	8.4	198	8.9	204	9.4	215	9.9
Mitchell	89	11.1	74	9.1	66	8.1	80	9.9	67	8.1
Montgomery	397	9.1	408	9.3	380	9.4	424	10.0	420	9.9
Morris	71	10.3	86	12.7	81	11.7	55	8.6	90	14.0
Morton	35	10.0	43	12.4	44	12.1	32	9.3	39	11.0
Nemaha	96	7.9	107	8.9	101	8.8	102	9.1	104	9.4
Neosho	181	10.1	144	7.9	154	8.2	189	10.0	199	10.5
Ness	41	8.5	52	11.1	39	8.2	39	8.7	38	8.5
Norton	69	9.7	74	10.2	84	12.7	57	8.5	63	9.6
Osage	143	10.4	138	9.7	163	11.1	127	8.3	159	10.3
Osborne	43	6.8	51	8.2	42	6.6	50	8.4	49	8.4
Ottawa	59	9.3	55	8.7	44	6.9	60	10.0	70	11.5
Pawnee	95	11.9	81	10.4	94	11.1	72	8.9	112	14.1
Phillips	85	10.2	81	10.1	93	11.9	77	10.4	77	10.3
Pottawatomie	132	9.6	110	7.7	115	8.1	95	6.4	141	9.2
Pratt	113	11.5	84	8.6	99	9.7	103	10.0	111	10.6
Rawlins	54	12.7	36	8.6	47	11.0	24	5.8	31	7.9
Reno	718	11.0	747	11.4	763	11.9	710	10.9	784	12.0
Republic	106	12.8	89	10.9	87	11.6	76	10.0	89	11.9
Rice	126	10.5	119	10.0	122	9.9	99	8.3	124	10.6
Riley	471	11.2	515	12.3	484	7.2	628	9.9	540	8.2
Rooks	71	9.8	86	11.6	73	10.0	61	8.7	83	12.6
Rush	47	9.2	37	7.5	35	7.2	27	6.0	41	9.1
Russell	84	8.9	90	9.6	113	12.4	100	11.3	89	10.5
Saline	572	11.8	552	11.7	556	10.9	604	12.4	627	12.3
Scott	64	9.2	81	12.2	66	10.6	50	8.6	80	13.3
Sedgwick	4,102	12.0	4,261	12.5	4,514	12.8	4,646	12.7	4,811	13.2
Seward	186	10.9	186	10.7	190	11.0	207	12.1	256	14.7
Shawnee	1,652	9.3	1,649	9.2	1,651	10.4	1,696	10.9	1,656	10.4
Sheridan	30	7.9	24	6.2	34	8.5	20	5.6	49	13.2
Sherman	83	9.7	78	9.6	94	11.6	96	12.4	77	9.8
Smith	63	9.6	65	10.1	68	10.6	62	10.4	64	10.6
Stafford	48	7.8	59	9.5	46	7.2	38	6.9	49	8.8
Stanton	21	7.7	29	11.6	26	9.5	24	10.3	32	12.6
Stevens	48	10.1	67	14.2	52	10.4	45	9.5	61	12.2
Sumner	300	12.4	314	12.9	301	12.3	214	8.6	317	12.6
Thomas	79	9.5	84	10.2	79	9.0	106	12.5	82	9.6
Trego	38	8.4	34	7.7	46	10.2	30	7.2	32	7.8
Wabaunsee	66	9.7	51	7.5	63	8.9	25	3.6	61	8.9
Wallace	22	9.7	32	14.3	24	11.2	21	10.3	14	6.8
Washington	84	9.3	83	9.2	86	9.5	70	8.2	72	8.6
Wichita	36	10.4	36	10.7	29	8.6	24	7.9	20	6.5
Wilson	123	9.9	100	7.6	113	9.4	95	7.8	115	9.2
Woodson	50	10.6	33	7.0	45	10.8	39	8.5	31	7.0
Wyandotte	1,770	9.8	1,886	10.4	1,920	11.3	1,850	10.7	1,934	11.1

Table 40
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1977-1981

County of Action	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	12,629	5.4	12,668	5.4	12,749	5.4	13,410	5.7	13,737	5.7
Allen.....	110	7.0	112	7.0	121	7.5	115	7.3	91	5.7
Anderson.....	22	2.6	20	2.4	23	2.7	33	3.8	30	3.4
Atchison.....	65	3.0	105	5.1	85	4.8	92	5.0	103	5.7
Barber.....	32	4.8	26	3.9	29	4.5	28	4.3	29	4.4
Barton.....	222	6.0	163	4.3	189	5.9	206	6.6	230	7.2
Bourbon.....	87	5.2	76	4.6	125	7.8	96	6.0	98	6.0
Brown.....	29	2.2	51	4.0	49	4.2	48	4.0	34	2.8
Butler.....	202	4.8	225	5.1	256	5.9	260	5.8	244	5.3
Chase.....	14	4.1	14	4.2	9	2.6	9	2.7	19	5.7
Chautauqua.....	22	4.4	24	4.7	30	6.5	22	4.4	23	4.6
Cherokee.....	101	4.5	131	5.5	172	8.0	146	6.5	152	6.9
Cheyenne.....	12	3.0	12	3.0	8	2.0	19	5.2	16	4.3
Clark.....	-	-	1	0.4	4	1.4	10	3.8	7	2.7
Clay.....	40	4.0	41	4.1	35	3.5	34	3.5	28	2.8
Cloud.....	51	3.6	42	3.0	49	3.8	44	3.5	54	4.3
Coffey.....	40	5.0	53	6.5	42	4.8	63	6.7	45	4.7
Comanche.....	5	1.8	7	2.6	7	2.5	9	3.5	10	3.9
Cowley.....	243	6.9	225	6.4	222	6.3	306	8.3	314	8.5
Crawford.....	167	4.4	175	4.6	232	6.2	232	6.1	240	6.4
Decatur.....	15	3.0	16	3.3	13	2.6	15	3.3	23	5.0
Dickinson.....	58	2.6	67	3.0	76	3.6	74	3.7	101	5.0
Doniphan.....	37	3.7	43	4.4	38	4.2	37	4.0	30	3.3
Douglas.....	389	6.2	366	5.6	398	5.9	454	6.7	377	5.6
Edwards.....	23	5.2	19	4.3	25	5.5	25	5.9	19	4.4
Elk.....	7	1.7	15	3.7	14	3.5	21	5.4	16	3.9
Ellis.....	93	3.7	111	4.3	95	3.5	131	5.0	163	6.1
Ellsworth.....	22	3.0	24	3.4	26	4.1	29	4.4	33	4.9
Finney.....	149	5.7	168	5.8	222	9.0	192	8.1	191	7.8
Ford.....	160	6.4	130	5.2	139	5.7	131	5.4	166	6.8
Franklin.....	97	4.6	143	6.7	116	5.5	115	5.3	135	6.2
Geary.....	373	15.9	307	13.2	340	11.6	347	11.6	386	12.8
Gove.....	7	1.8	9	2.3	5	1.3	10	2.7	13	3.4
Graham.....	13	2.9	11	2.5	13	3.1	25	6.3	20	4.9
Grant.....	36	4.9	35	4.8	45	5.9	43	6.2	33	4.5
Gray.....	11	2.1	12	2.3	16	2.9	11	2.1	18	3.4
Greeley.....	8	3.6	8	3.8	10	5.3	11	6.0	12	6.3
Greenwood.....	36	4.0	54	6.1	47	5.0	47	5.4	44	5.2
Hamilton.....	20	6.4	13	4.2	13	4.4	17	6.8	10	3.7
Harper.....	20	2.5	32	4.0	26	3.3	33	4.2	37	4.6
Harvey.....	149	5.2	141	4.9	119	4.0	134	4.4	133	4.3
Haskell.....	10	2.4	14	3.4	15	3.5	15	3.9	18	4.3
Hodgeman.....	4	1.5	3	1.2	8	3.1	7	3.1	4	1.7
Jackson.....	36	3.1	61	5.3	50	4.1	39	3.3	41	3.5
Jefferson.....	37	2.7	48	3.4	33	2.2	62	4.1	40	2.5
Jewell.....	16	2.7	18	3.1	14	2.4	17	3.2	22	4.2
Johnson.....	1,103	4.4	1,075	4.2	1,086	4.1	1,091	4.0	1,086	3.9
Kearny.....	13	3.8	10	2.9	17	4.5	14	4.1	13	3.7
Kingman.....	38	3.8	49	5.0	34	3.8	37	4.1	22	2.4
Kiowa.....	10	2.3	10	2.4	14	3.4	11	2.7	17	4.3
Labette.....	161	6.4	141	5.6	137	5.4	127	4.9	155	6.0
Lane.....	14	4.9	14	5.0	8	3.0	7	2.8	7	2.8
Leavenworth.....	364	7.0	355	6.8	344	6.2	283	5.2	337	6.1
Lincoln.....	18	3.8	15	3.2	10	2.2	14	3.4	11	2.7
Linn.....	26	3.1	36	4.2	30	3.4	37	4.5	39	4.7
Logan.....	13	3.4	8	2.2	12	3.3	20	5.8	18	5.0

Table 40 (cont.)
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1977-1981

County of Action	Year									
	1977		1978		1979		1980		1981	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	160	4.7	166	4.6	192	5.6	229	6.5	215	6.1
Marion	32	1.9	39	2.4	23	1.7	49	3.6	31	2.3
Marshall	25	1.8	41	3.1	30	2.2	37	2.9	45	3.6
McPherson	77	3.0	102	3.9	92	3.5	121	4.5	118	4.3
Meade	24	4.7	17	3.4	11	2.1	12	2.5	25	5.2
Miami	112	5.3	128	5.8	100	4.5	139	6.4	124	5.7
Mitchell	20	2.5	27	3.3	30	3.7	17	2.1	34	4.1
Montgomery	207	4.8	249	5.7	284	7.0	237	5.6	310	7.3
Morris	26	3.8	21	3.1	39	5.6	39	6.1	34	5.3
Morton	11	3.2	10	2.9	14	3.8	22	6.4	19	5.4
Nemaha	24	2.0	22	1.8	17	1.5	22	2.0	21	1.9
Neosho	88	4.9	73	4.0	82	4.4	81	4.3	100	5.3
Ness	10	2.1	6	1.3	14	3.0	9	2.0	25	5.6
Norton	16	2.3	24	3.3	31	4.7	23	3.4	38	5.8
Osage	53	3.8	32	2.2	40	2.7	55	3.6	61	4.0
Osborne	10	1.6	29	4.6	16	2.5	29	4.9	19	3.3
Ottawa	15	2.4	28	4.4	26	4.1	24	4.0	35	5.8
Pawnee	34	4.3	37	4.7	33	3.9	32	4.0	48	6.0
Phillips	18	2.2	34	4.2	33	4.2	26	3.5	34	4.5
Pottawatomie	45	3.3	60	4.2	61	4.3	58	3.9	37	2.4
Pratt	72	7.4	46	4.7	73	7.1	50	4.9	49	4.7
Rawlins	17	4.0	12	2.9	12	2.8	12	2.9	9	2.3
Reno	465	7.1	491	7.5	445	6.9	473	7.3	466	7.1
Republic	19	2.3	24	2.9	19	2.5	29	3.8	25	3.3
Rice	44	3.7	32	2.7	32	2.6	34	2.9	23	2.0
Riley	203	4.8	236	5.6	245	3.6	236	3.7	262	4.0
Rooks	23	3.2	16	2.2	10	1.4	23	3.3	24	3.6
Rush	6	1.2	12	2.4	14	2.9	4	0.9	12	2.7
Russell	38	4.0	39	4.1	35	3.8	40	4.5	55	6.5
Saline	326	6.7	339	7.2	251	4.9	297	6.1	359	7.1
Scott	19	2.7	26	3.9	28	4.5	14	2.4	32	5.3
Sedgwick	2,869	8.4	3,007	8.8	2,967	8.4	3,160	8.6	3,242	8.9
Seward	147	8.6	105	6.1	83	4.8	83	4.9	146	8.4
Shawnee	975	5.5	803	4.5	846	5.3	909	5.9	803	5.1
Sheridan	3	0.8	5	1.3	6	1.5	4	1.1	4	1.1
Sherman	32	3.8	40	4.9	44	5.4	67	8.6	50	6.4
Smith	17	2.6	19	3.0	15	2.3	14	2.4	24	4.0
Stafford	21	3.4	23	3.7	15	2.3	17	3.1	28	5.0
Stanton	12	4.4	13	5.2	5	1.8	10	4.3	12	4.7
Stevens	23	4.8	23	4.9	29	5.8	17	3.6	28	5.6
Sumner	111	4.6	129	5.3	98	4.0	91	3.7	125	5.0
Thomas	31	3.7	36	4.4	33	3.8	38	4.5	35	4.1
Trego	20	4.4	15	3.4	8	1.8	17	4.1	11	2.7
Wabaunsee	17	2.5	11	1.6	16	2.3	15	2.2	19	2.8
Wallace	6	2.6	9	4.0	5	2.3	2	1.0	3	1.5
Washington	20	2.2	23	2.5	6	0.7	23	2.7	15	1.8
Wichita	17	4.9	14	4.2	15	4.5	21	6.9	9	2.9
Wilson	63	5.1	72	5.5	65	5.4	69	5.7	77	6.2
Woodson	8	1.7	17	3.6	21	5.1	18	3.9	20	4.5
Wyandotte	948	5.2	802	4.4	845	5.0	907	5.3	840	4.8

Table 41
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1980 and 1981

City of Residence	1980					1981				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Abilene	6,572	92	14.0	103	15.7	6,630	90	13.6	105	15.8
Anthony	2,661	38	14.3	52	19.5	2,723	39	14.3	45	16.5
Arkansas City	13,201	247	18.7	182	13.8	13,174	192	14.6	185	14.0
Atchison	11,407	158	13.9	125	11.0	11,127	185	16.6	163	14.6
Augusta	6,968	133	19.1	63	9.0	7,140	132	18.5	64	9.0
Baldwin City	2,829	28	9.9	26	9.2	2,830	35	12.4	21	7.4
Baxter Springs	4,773	62	13.0	68	14.2	4,747	68	14.3	51	10.7
Belleville	2,805	32	11.4	41	14.6	2,778	30	10.8	58	20.9
Beloit	4,367	64	14.7	57	13.1	4,440	57	12.8	63	14.2
Bonner Springs	6,226	107	17.1	44	7.0	6,322	120	19.0	66	10.4
Chanute	10,506	160	15.2	147	14.0	10,532	183	17.4	150	14.2
Cherryvale	2,769	56	20.2	39	14.1	2,779	51	18.4	39	14.0
Clay Center	4,948	65	13.1	97	19.6	5,052	64	12.7	88	17.4
Coffeyville	15,185	236	15.5	225	14.8	15,240	245	16.1	180	11.8
Colby	5,544	91	16.4	38	6.9	5,597	83	14.8	28	5.0
Columbus	3,426	45	13.1	67	19.6	3,407	45	13.2	49	14.4
Concordia	6,847	104	15.2	96	14.0	6,862	92	13.4	117	17.1
Derby	9,786	124	12.7	33	3.4	9,744	158	16.2	46	4.7
Dodge City	18,001	394	21.9	148	8.2	18,160	405	22.3	137	7.5
El Dorado	10,510	189	18.0	186	17.7	10,769	208	19.3	159	14.8
Emporia	25,287	474	18.7	234	9.3	25,467	481	18.9	224	8.8
Eureka	3,425	40	11.7	53	15.5	3,314	48	14.5	61	18.4
Fairway	4,619	51	11.0	29	6.3	4,766	58	12.2	43	9.0
Fort Scott	8,893	145	16.3	139	15.6	9,034	121	13.4	153	16.9
Fredonia	3,047	42	13.8	58	19.0	3,132	35	11.2	45	14.4
Galena	3,587	50	13.9	59	16.4	3,567	54	15.1	65	18.2
Garden City	18,256	450	24.6	152	8.3	18,744	435	23.2	119	6.3
Garnett	3,310	63	19.0	46	13.9	3,315	56	16.9	71	21.4
Girard	2,888	44	15.2	47	16.3	2,874	42	14.6	52	18.1
Goodland	5,708	102	17.9	64	11.2	5,772	81	14.0	63	10.9
Great Bend	16,608	294	17.7	163	9.8	16,926	343	20.3	178	10.5
Hays	16,301	329	20.2	110	6.7	16,728	380	22.7	102	6.1
Haysville	8,006	124	15.5	34	4.2	7,972	108	13.5	24	3.0
Herington	2,930	22	7.5	48	16.4	2,956	32	10.8	46	15.6
Hiawatha	3,702	45	12.2	69	18.6	3,732	50	13.4	58	15.5
Hillsboro	2,717	32	11.8	41	15.1	2,703	31	11.5	34	12.6
Hoisington	3,678	61	16.6	38	10.3	3,748	75	20.0	45	12.0
Holton	3,132	41	13.1	48	15.3	3,188	41	12.9	51	16.0
Hugoton	3,165	57	18.0	31	9.8	3,339	46	13.8	27	8.1
Hutchinson	40,284	757	18.8	408	10.1	40,591	656	16.2	374	9.2
Independence	10,598	176	16.6	164	15.5	10,636	177	16.6	155	14.6
Iola	6,938	113	16.3	120	17.3	7,136	120	16.8	101	14.2
Junction City	19,305	711	36.8	170	8.8	19,523	803	41.1	125	6.4
Kansas City	161,087	3,305	20.5	1,737	10.8	162,533	3,332	20.5	1,600	9.8
Kingman	3,563	52	14.6	56	15.7	3,605	51	14.1	44	12.2

Table 41 (cont.)
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1980 and 1981

City of Residence	1980					1981				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Lansing	5,307	59	11.1	18	3.4	5,318	74	13.9	20	3.8
Larned	4,811	75	15.6	52	10.8	4,733	77	16.3	74	15.6
Lawrence	52,738	767	14.5	274	5.2	52,757	789	15.0	254	4.8
Leavenworth	33,656	471	14.0	302	9.0	33,724	526	15.6	304	9.0
Leawood	13,360	118	8.8	78	5.8	13,785	109	7.9	81	5.9
Lenexa	18,639	303	16.3	81	4.3	19,232	323	16.8	93	4.8
Liberal	14,911	354	23.7	118	7.9	15,241	368	24.1	109	7.2
Lindsborg	3,155	31	9.8	37	11.7	3,188	40	12.5	48	15.1
Lyons	4,152	72	17.3	60	14.5	4,077	68	16.7	61	15.0
Manhattan	32,644	651	19.9	187	5.7	33,685	747	22.2	180	5.3
Marysville	3,670	45	12.3	66	18.0	3,634	63	17.3	50	13.8
McPherson	11,753	184	15.7	122	10.4	11,877	202	17.0	108	9.1
Medicine Lodge	2,384	37	15.5	29	12.2	2,379	55	23.1	46	19.3
Merriam	10,794	173	16.0	64	5.9	11,137	161	14.5	79	7.1
Mission	8,643	120	13.9	64	7.4	8,918	103	11.5	92	10.3
Mission Hills	3,904	12	3.1	27	6.9	4,028	14	3.5	27	6.7
Mulvane	4,254	71	16.7	33	7.8	4,255	81	19.0	21	4.9
Neodesha	3,414	52	15.2	45	13.2	3,510	49	14.0	51	14.5
Newton	16,332	303	18.6	177	10.8	16,509	269	16.3	171	10.4
Norton	3,400	39	11.5	53	15.6	3,342	41	12.3	50	15.0
Olathe	37,258	803	21.6	156	4.2	38,443	865	22.5	172	4.5
Osage City	2,667	34	12.7	56	21.0	2,685	33	12.3	39	14.5
Osawatomie	4,459	66	14.8	61	13.7	4,462	69	15.5	63	14.1
Ottawa	11,016	164	14.9	136	12.3	11,023	178	16.1	133	12.1
Overland Park	81,784	1,040	12.7	414	5.1	84,385	1,083	12.8	427	5.1
Paola	4,557	64	14.0	74	16.2	4,560	69	15.1	64	14.0
Parsons	12,898	239	18.5	153	11.9	12,979	226	17.4	171	13.2
Phillipsburg	3,229	50	15.5	40	12.4	3,270	43	13.1	38	11.6
Pittsburg	18,770	257	[illegible]	258	13.7	18,677	263	14.1	241	12.9
Plainville	2,458	48	[illegible]	28	11.4	2,316	55	23.7	28	12.1
Prairie Village	24,657	330	13.4	164	6.7	25,441	328	12.9	157	6.2
Pratt	6,885	111	16.1	78	11.3	7,014	118	16.8	93	13.3
Roeland Park	7,962	106	13.3	58	7.3	8,215	114	13.9	54	6.6
Russell	5,427	76	14.0	66	12.2	5,164	85	16.5	64	12.4
Salina	41,843	711	17.0	351	8.4	43,476	714	16.4	355	8.2
Scott City	4,154	70	16.9	33	7.9	4,326	72	16.6	35	8.1
Shawnee	29,653	501	16.9	132	4.5	30,596	473	15.5	131	4.3
Topeka	115,266	2,158	18.7	1,230	10.7	117,972	1,981	16.8	1,159	9.8
Ulysses	4,653	125	26.9	37	8.0	4,921	105	21.3	35	7.1
Valley Center	3,300	56	17.0	22	6.7	3,286	71	21.6	26	7.9
Wamego	3,159	56	17.7	34	10.8	3,263	68	20.8	30	9.2
Wellington	8,212	143	17.4	107	13.0	8,302	133	16.0	121	14.6
Wichita	279,272	5,875	21.0	2,399	8.6	278,085	6,073	21.8	2,494	9.0
Winfield	10,736	171	15.9	136	12.7	10,714	193	18.0	147	13.7

Source: United States Bureau of the Census (1980)
Bureau of Registration and Health Statistics (1981)

INDEX

INDEX OF TABLES AND FIGURES

ABORTIONS
- Reported Induced Abortions by Selected Characteristics, Kansas, 1981 (Figure 9) 36
- Number of Abortions Reported in Kansas by Year, 1971-1981 (text table) 37
- Abortions: Distribution by Age Group of Patient and Age-Specific Ratios, 1981 (text table) 38
- Induced Abortions by Age Group of Patient by County of Residence, 1981 (Appendix Table 32) 120

ANNULMENTS (See Divorces)

LIVE BIRTHS
- Birth Rates, Kansas and the United States, 1961-1981 (Figure 5) 26
- Fertility Rates, Kansas and the United States, 1961-1981 (Figure 6) 28
- Live Births: Distribution by Race of Mother by Sex of Infant, 1981 (text table) 29
- Live Births: Number and Percent by Birth Order, 1981 (text table) 29
- Live Births: Percent Distribution by Age Group of Mother by Selected Characteristics, 1971, 1976 and 1981 (Figure 7) 30
- Live Births by Age Group of Mother by Selected Characteristics, 1981 (Table 4) 32
- Out-of-Wedlock Birth Ratios, Kansas and the United States, 1961-1981 (Figure 8) 33
- Live Births: Age-Specific Birth Rates, 1979-1981 (text table) 88
- Fertility Rates by County of Residence, 1979-1981 (Table 22) 101
- Live Births by Number and Rate by County of Residence, 1977-1981 (Appendix Table 29) 114
- Live Births by Age Group of Mother by County of Residence of Mother, 1981 (Appendix Table 30) 116
- Out-of-Wedlock Births by Age Group of Mother by County of Residence of Mother, 1981 (Appendix Table 31) 118
- Population, Live Births and Total Deaths by City of Residence, 1980 and 1981 (Appendix Table 41) 143

DEATHS
- Death Rates, Kansas and the United States, 1941-1981 (Figure 14) 49
- Death Rates by County of Residence, 1981 (Figure 15) 50
- Average Age at Death by County of Residence, 1981 (Figure 16) 52
- Deaths by Race and Sex, by Age Group and Average Age at Death, 1981 (Table 7) 53
- Selected Causes of Death by Age Group and Average Age at Death, 1981 (Table 8) 54
- Ten Leading Causes of Death by Sex, by Number, Rate and Average Age at Death, 1981 (Table 9) 55
- Selected Leading Causes of Death by Number and Rate, Kansas and the United States, 1981 (Table 10) 56
- Death Rates for Leading Causes of Death, 1941-1981 (Figure 17) 58
- Leading Causes of Death by Age Group, 1981 (Figure 18) 59
- Heart Disease Deaths by Age Group and Sex, 1981 (Table 11) 60
- Malignant Neoplasm Deaths by Site of Lesion, Age Group and Sex, 1981 (Table 12) 62
- Cerebrovascular Disease Deaths by Age Group and Sex, 1981 (Table 13) 63
- Selected Chronic Disease Deaths by Age Group and Sex, 1981 (Table 14) 64
- Accidental Deaths by Age Group and Sex, 1981 (Table 15) 65
- Suicides and Homicides: Percent Distribution by Age Group and Sex, 1981 (Figure 19) 68
- Ten Leading Causes of Death, Underlying Cause by Non-underlying Cause, 1981 (Table 16) 70
- Age-Specific Death Rates for Selected Causes of Death by Sex, 1979-1981 (Table 23) 102
- Death Rates for Selected Causes of Death, Kansas and the United States, 1979-1981 (Table 24) 103
- Crude and Age-Adjusted Death Rates for Selected Causes of Death by Sex, 1979-1981 (Figure 25) 104
- Crude and Age-Adjusted Death Rates, by County of Residence, 1979-1981 (Table 25) 106
- Selected Causes of Death by Health Service Area, 1981 (Appendix Table 27) 111
- Deaths by Number and Rate by County of Residence, 1977-1981 (Appendix Table 35) 127
- Deaths by Age Group and Average Age at Death by County of Residence, 1981 (Appendix Table 36) 129
- Twenty Leading Causes of Death by County of Residence, 1981 (Appendix Table 37) 132
- Death Rates for Ten Leading Causes of Death by County of Residence, 1981 (Appendix Table 38) 136
- Population, Live Births and Total Deaths by City of Residence, 1980 and 1981 (Appendix Table 41) 143

DIVORCES AND ANNULMENTS
- Marriage and Divorce Rates, 1927-1981 (Figure 20) 72
- Divorces: Percent Distribution by Age Group, 1981 (Figure 22) 78
- Annulments: Percent Distribution by Age Group, 1981 (Figure 23) 80
- Divorces and Annulments by Duration of Marriage in Years, 1981 (Table 19) 81
- Divorces and Annulments by Number and Percent by Number of Minor Children, 1981 (Table 20) 82
- Divorces and Annulments by Number and Rate by County of Action, 1977-1981 (Appendix Table 40) 141

FETAL DEATHS (Stillbirths)
- Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios, 1981 (text table) 39
- Fetal Deaths by Selected Characteristics, 1981 (Figure 10) 40

Index of Tables and Figures (cont.)

HEALTH SERVICE AREAS
Health Service Areas (Appendix Figure 26) 109
Vital Statistics by Health Service Area, 1981 (Appendix Table 26) 110
Selected Causes of Death by Health Service Area, 1981 (Appendix Table 27) 111

INFANT DEATHS
Infant Deaths by Component, Selected Years, 1951-1981 (Figure 12) 44
Infant Deaths by Cause of Death and Age Group of Infant, 1981 (Table 6) 45
Infant Deaths by Component by County of Residence, 1981 (Appendix Table 34) 125

MARRIAGES
Marriage and Divorce Rates, 1927-1981 (Figure 20) 72
Marriages: Percent Distribution by Age Group, 1981 (Figure 21) 74
Marriages by Age Group of Groom, by Age Group of Bride, 1981 (Table 17) 75
Marriages by Premarital Status of Bride and Groom, 1981 (Table 18) 76
Marriages: Number and Percent by Month, 1981 (text table) 76
Marriages by Number and Rate by County of Marriage, 1977-1981 (Appendix Table 39) 139

MATERNAL DEATHS
Maternal Mortality Rates, Kansas and the United States, 1951-1981 (Figure 13) 46

PERINATAL PERIOD III MORTALITY
Perinatal Period III Mortality, 1951-1981 (Figure 11) 41
Perinatal Period III Mortality, Selected Years, 1951-1981 (Table 5) 42
Perinatal Period III Deaths by County of Residence, 1981 (Appendix Table 33) 122

POPULATION
Population Growth in Kansas, Selected Years, 1860-1981 (Figure 3) 20
Population, Natural Increase and Net Migration, 1952-1981 (Table 3) 22
Population Density by County, 1981 (Figure 4) 24
Population: Percent Distribution by Age Group and Sex, 1980 (Figure 24) 87
Population by Age Group and Sex, by County of Residence, 1980 (Table 21) 89
Population by County, 1977-1981 (Appendix Table 28) 112
Population, Live Births and Total Deaths by City of Residence, 1980 and 1981 (Appendix Table 41) 143

VITAL EVENTS
Kansas Vital Statistics for 1981 (Figure 1) 4
Vital Events and Percent Change, 1981,1980 and 1971 (Table 1) 14
Vital Events by Number, Rate and Ratio, 1971-1981 (Table 2) 16
Selected Vital Event Rates, 1971-1981 (Figure 2) 17

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